



COUNTY BOROUGH OF SUNDERLAND.



Annual Report

ON THE

HEALTH & SANITARY CONDITION OF SUNDERLAND

FOR THE YEAR 1894.



JOHN CUNDELL WOOD,

L.R.C.S., L.R.C.P., D.P.H., EDIN.,

MEDICAL OFFICER OF HEALTH,

PUBLIC ANALYST, AND PHYSICIAN TO THE
BOROUGH FEVER HOSPITAL.



Sunderland:

HERALD AND DAILY POST GENERAL PRINTING WORKS,

WEST WEAR STREET.

1895.

COUNTY BOROUGH OF SUNDERLAND.

HEALTH COMMITTEE.

Chairman :

ALDERMAN THOS. J. RICKABY.

Vice-Chairman :

COUNCILLOR JOHN HARRISON, J.P.

ALDERMAN BELL, J.P.	COUNCILLOR HUDSON.
„ BURNS.	„ JOHNSTON.
„ CAMERON, J.P.	„ KIRTLEY.
„ COATES.	„ PUNSHON.
„ FAIRLESS, J.P.	„ RICHARDSON, N.
„ GIBSON.	„ ROCHE.
„ RICHARDSON, J.P.	„ RUDLAND.
„ WALKER.	„ W. SANDERSON, J.P.
COUNCILLOR ANNISON.	„ SHORT, J.P.
„ BRUCE.	„ SMITH, J. H.
„ BYERS.	„ THOMPSON, J. S.
„ CALVERT.	„ TURNBULL, JOHN.
„ CROWN.	„ TURNBULL, H. J., J.P.
„ FOSTER.	

Meetings every alternate Thursday, at 7·30 p.m.

Accounts, at 7·15 p.m.

OFFICIALS OF THE HEALTH DEPARTMENT.

*Medical Officer of Health and Public Analyst, and Physician to the
Borough Fever Hospital:*

MR. J. C. WOOD, L.R.C.P. AND L.R.C.S., D.P.H., EDIN.,

FELLOW BRITISH INSTITUTE OF PUBLIC HEALTH,

F.S.S.

Inspector of Nuisances:

MR. WILLIAM MCKAY.

Assistant Inspectors of Nuisances:

MR. R. R. MASON.

MR. THOMAS H. DOWNES.

MR. JOHN METCALF.

MR. JAMES S. WATSON.

MR. CHAS. E. HORSMAN.

MR. GEORGE SINCLAIR.

Superintendent of Cleansing Department:

MR. JOHN WILKINSON.

Horsekeeper:

MR. WILLIAM STOBART.

Clerk:

MR. J. W. FERGUSON

Assistant Clerk:

MR. JAMES FIELD.

Matron to the Borough Fever Hospital:

MRS. E. CHERRY.

Engineer to the Borough Fever Hospital:

MR. W. S. OATES.

INDEX.

	PAGE
Ages at Death	9-10-11
Analyst's Report	35
Ashpit Cleansing Return	34
Births	3-4
Cancer... ..	18
Changes in the Staff... ..	28
Classified Causes of Death in each Quarter	7
Consumption	19
Constitutional Diseases	18
Common Lodging Houses	27
Deaths... ..	5
Diarrhœa	23
District Mortality	11
Estimated Population	1
Food Destroyed	28
Great Towns, Health of the	8
Hospitals, Cases Treated in	25-26
Hopper, Refuse to	34
Infantile Mortality	29
Marriages	2
Measles	17-18
Meat and Food, Inspection of	28


INDEX—Contd.

	PAGE
Nuisances	27
Notification of Infectious Diseases	12
Phthisis	18
Population	1
Prevention of Infectious Disease	25
Quarter, Deaths in each	6
Report of Deputation Attending the Fourteenth Congress of Sanitary Institutes	29-30-31-32-33
Sanitary Report	27
Slaughter Houses	27
Smallpox	12
Street Cleansing	34
Sunderland, Position of	9
Temperatures and Diarrhoea	23-24
Union Hospital, Patients Treated in	25
Water Used, Barrels and Tanks of	34
Zymotic Diseases	12-13-14-15

APPENDIX.

TABLE.

Population, Inhabited Houses, Marriages, Births, and Deaths ...	I.
Annual Birth and Death-rates and Death-rates of Children ...	II.
Deaths registered from all causes during the year (all ages) ..	III.
Summary of Diseases.....	III.
Deaths registered from all causes in each District	III _A .
Deaths registered from all causes in each Quarter	III _B .
Deaths registered from all causes for 15 years, 1880-94	III _C .
Deaths from certain groups of Diseases	IV.
Deaths and Death-rates from Zymotic Diseases in the 10 years, 1884-93, and in 1894	V.
Deaths registered in the Borough, in Districts and Quarters ...	VI.
Occupations and Deaths	VII.
Streets in which Zymotic Diseases occurred	VIII.
Births registered in the Borough, in Districts and Quarters ...	IX.
Vaccination Returns, 1884-93, and 1894	X.
Deaths in Sunderland for each week, 1879-94.. ..	XI.
Death-rates in Sunderland for each week, 1879-94	XI _A .
Houses visited for Infectious Diseases	XII.
Magisterial Proceedings.....	XIII.
Food (Unsound) Seized during the year	XIV.
Nuisances, Notices Served to Abate	XV.
Nuisances reported and Inspections made	XVI.
Articles Disinfected and Destroyed and Houses Disinfected ...	XVII.
Ash-pits and Ash-closets Cleanised	XVIII.
Meteorological Observations, January to December, 1894	XIX.
Local Government Tables (Deaths and Cases)	A & B.



Digitized by the Internet Archive
in 2018 with funding from
Wellcome Library

<https://archive.org/details/b30257554>

REPORT, 1894.

THE Medical Officer of Health begs to submit his REPORT, 1894.
Report for the year 1894, which is prepared in
accordance with the regulations of the Local Government
Board.

POPULATION OF THE BOROUGH.

The population of the Borough of Sunderland, as Population.
estimated by the Medical Officer of Health, to the middle
of 1894, amounted to 136,101 persons. These figures
are distributed in the four Sub-Registration Districts as
follows :—

Sunderland	14,283
Bishopwearmouth North	42,797
„ South	48,922
Monkwearmouth	30,099
<hr/>	
Borough	136,101
<hr/>	

The population of the Sub-District of Sunderland
has declined from 14,389 in 1893 to 14,283 in 1894.
The remaining Districts show an increasing population,
Bishopwearmouth South being credited with the largest
number.

Decrease in
Sub-District
of
Sunderland.

REPORT,
1894.
—
Marriages.

MARRIAGES.

Last year 1,266 marriages were contracted, 537 in churches and 729 by the Registrar. In 1893 there were 1,203 marriages solemnized. The following gives the particulars in quarters for 1894 :—

TABLE A.

	In Churches.	By Registrar.	Totals. 1894.	1893.
1st Quarter ...	115	182	297	253
2nd „ ...	111	188	299	309
3rd „ ...	141	163	304	325
4th „ ...	170	196	366	316
	537	729	1,266	1,203

From the above Table it is seen there were 63 more marriages in 1894 than in 1893, while in 1893 there were 192 more by the Registrar than in churches.

The following table shows the Marriages and rates per 1000 of the population since 1875 :—

TABLE B.

Years.	Marriages.	Marriages per 1000 of Population.	Years.	Marriages.	Marriages per 1000 of Population.
1875	1,184	22·4	1885	1,168	19·2
1876	1,081	20·0	1886	1,082	17·4
1877	1,108	20·2	1887	1,186	19·1
1878	1,125	20·2	1888	1,343	21·1
1879	966	17·0	1889	1,447	22·6
1880	1,133	19·6	1890	1,442	22·3
1881	1,370	23·5	1891	1,318	20·0
1882	1,547	26·2	1892	1,221	18·3
1883	1,522	25·5	1893	1,203	17·8
1884	1,230	20·2	1894	1,266	18·6

Marriages
Increasing.

A study of these figures will show that the Marriages contracted during the past year have been more than in any year since 1891. The 1893 returns show a decrease of 18 on those of 1892.

BIRTHS.

REPORT,
1894.
—
Births.

The smallest number of Births registered in Sunderland, in one year, since 1888, were recorded during last year (1894). The Births and Birth rates in each of the registration districts were as follows :—

TABLE C.

	Males.	Females.	Total.	Birth-rate.
Sunderland.....	277	256	533	37·31
Bishopwearmouth, North.....	848	775	1,623	37·99
Bishopwearmouth, South.....	735	745	1,480	30·25
Monkwearmouth .	559	565	1,124	37·34
Borough.....	2,419	2,341	4,760	34·97

The Birth rate in the 33 large towns of England and Wales was 30·7 per 1,000 of the population ; or 4·2 below that of Sunderland.

REPORT,
1894.
—
Births,
1875-1894,
in
Districts.

In the following Table are given the Births of Males and Females since 1875, for each Registration District in the Borough :—

TABLE D.

Years.	SUNDERLAND.			BISHOPWEARMOUTH N.			BISHOPWEARMOUTH S.			MONKWEARMOUTH.			BOROUGH.		
	M.	F.	Total Births.	M.	F.	Total Births.	M.	F.	Total Births.	M.	F.	Total Births.	M.	F.	Total Births.
1875	329	364	693	757	720	1477	709	638	1347	496	496	992	2291	2218	4509
1876	320	318	638	771	657	1428	664	612	1276	532	535	1067	2287	2122	4509
1877	334	312	646	710	707	1417	705	671	1376	503	557	1060	2252	2247	4499
1878	325	278	603	754	708	1462	748	667	1415	556	605	1161	2383	2258	4641
1879	305	270	575	719	688	1407	711	746	1457	509	538	1047	2244	2242	4486
1880	281	294	575	693	667	1360	701	701	1402	548	487	1035	2223	2149	4372
1881	315	274	589	720	720	1440	720	726	1446	570	542	1112	2325	2262	4587
1882	281	302	582	794	792	1586	780	753	1533	593	595	1188	2448	2441	4889
1883	302	310	644	808	775	1583	811	794	1605	622	600	1222	2544	2511	5054
1884	310	304	652	901	821	1722	864	759	1623	679	662	1341	2753	2584	5338
1885	304	286	590	808	712	1520	775	747	1522	569	524	1093	2456	2269	4725
1886	302	278	580	769	694	1463	753	679	1432	572	574	1146	2396	2225	4621
1887	264	264	528	730	676	1406	740	662	1402	603	537	1135	2337	2134	4471
1888	275	268	538	755	707	1462	753	707	1422	552	585	1137	2297	2262	4559
1889	253	290	543	825	763	1588	753	703	1456	632	599	1231	2463	2355	4818
1890	260	267	527	814	802	1616	765	801	1566	635	588	1223	2474	2458	4932
1891	254	257	511	838	811	1649	757	819	1576	606	601	1209	2457	2488	4945
1892	271	294	565	845	811	1665	734	748	1482	616	590	1206	2466	2443	4909
1893	274	290	564	779	813	1592	716	702	1418	608	588	1196	2377	2393	4770
1894	277	265	533	848	775	1623	735	745	1480	559	565	1124	2419	2341	4760

DEATHS.

REPORT,
1894.

The Deaths registered during the year 1894 numbered 2,815 or a decrease of 208 on that of the preceding year.

—
Decrease in
Deaths.

The death-rate was 20·6 per 1,000 of the estimated population, being 2·5 higher than the death-rate of the 33 large towns of England and Wales.

The mortality in each quarter was as follows :—

DEATHS IN THE QUARTERS.

1st quarter	685	=	20·13 death-rate.	Deaths in the Quarters.
2nd ,, 	609	=	17·90 ,,	
3rd ,, 	730	=	21·71 ,,	
4th ,, 	791	=	23·24 ,,	
<hr/>				
Total	2,815	=	20·68 ,,	
<hr/>				

The fourth quarter of the year was the heaviest, 791 deaths being recorded. The wasting diseases of children, debility, marasmus, atrophy, etc., were a considerable factor towards this total.

Deaths in
each Quarter.

REPORT,
1894.

In the following tabular statement a comparison is shown between last year's deaths in each quarter and those in the preceding 10 years :—

TABLE E.

Deaths in
Quarters
1884-94.

Years.	1st Quarter.		2nd Quarter.		3rd Quarter.		4th Quarter.		Whole Year.	
	Deaths.	Death Rates.	Deaths.	Death Rates.	Deaths.	Death Rates.	Deaths.	Death Rates.	Deaths.	Death Rates.
1884	691	22·8	661	21·8	725	23·9	811	26·2	2888	23·4
1885	1058	43·3	709	23·2	638	20·9	572	18·8	2977	24·3
1886	707	22·8	537	17·6	647	20·9	588	19·0	2479	20·0
1887	691	22·0	592	18·9	627	20·0	639	20·4	2549	20·3
1888	624	19·6	543	17·1	527	16·6	681	21·3	2375	18·7
1889	695	21·7	656	20·5	868	26·8	844	26·1	3063	23·8
1890	814	24·6	743	22·5	736	22·3	847	25·6	3140	23·7
1891	777	23·6	764	23·2	787	23·9	945	28·7	3273	24·9
1892	721	21·7	741	22·3	659	19·8	653	19·6	2774	20·8
1893	673	20·0	669	19·8	914	27·2	767	22·8	3023	22·4
Means 1884-93.	745	24·2	661	20·6	712	22·2	734	22·8	2854	22·2
1894	685	20·1	609	17·9	730	21·7	791	23·2	2,815	20·6

The following table has been prepared to show the classified causes of deaths in each of the four quarters. A comparison is also shown with the 1893 figures:—

REPORT,
1894.
—

TABLE F.

DISEASES CLASSIFIED.	QUARTERS.				YEARS.	
	1st.	2nd.	3rd.	4th.	1894.	1893.
Miasmatic	43	47	108	103	301	211
Diarrhoeal.....	3	7	83	21	114	258
Venereal	5	4	3	2	14	21
Septic	7	5	...	4	16	12
Dietic	2	1	1	1	5	9
Constitutional	138	119	131	112	500	479
Developmental.....	53	56	51	64	224	237
Nervous System	56	60	48	72	236	265
Special Sense	1	3	1	...	5	1
Circulatory System...	61	57	58	57	233	227
Respiratory „ ...	144	129	101	193	567	580
Digestive „ ...	57	43	42	38	180	179
Lymphatic „ ...	...	...	...	...	...	...
Urinary „ ...	10	17	15	17	59	55
Reproductive „ ...	5	7	15	9	22	19
Bones and Joints ...	4	...	4	2	10	16
Integumentary	4	...	1	1	6	3
Violence	15	21	19	25	80	86
Ill-defined causes ...	77	33	63	70	240	365
Totals	685	609	730	791	2815	3023

Classified
Causes of
Death.

REPORT,
1894.
Health of
the Great
Towns
compared
with
Sunderland,
1870-1894.

TABLE G.

TOWNS.	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894
London	24.0	24.7	21.4	22.5	22.5	23.7	22.3	21.5	23.0	22.7	21.6	21.2	21.4	20.4	20.3	19.8	19.9	19.6	18.5	17.4	20.3	21.4	20.6	21.3	17.8
West Ham .....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Croydon .....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Brighton .....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Portsmouth	22.1	19.3	22.9	18.4	20.4	19.6	21.9	20.7	24.3	17.6	19.8	19.7	21.5	18.6	19.4	19.7	23.8	19.5	18.8	18.1	19.6	19.0	18.5	18.2	15.2
Norwich	27.7	25.9	26.3	21.5	23.5	24.5	21.9	22.0	24.3	21.7	24.3	19.5	20.6	19.6	21.2	20.3	23.3	20.4	20.2	18.4	21.1	19.3	20.0	19.3	18.7
Plymouth .....	....	....	....	....	....	20.7	22.1	22.0	25.8	22.9	25.1	19.9	21.2	20.9	21.0	22.3	23.5	22.7	22.3	25.2	22.4	22.5	18.8	21.2	18.3
Bristol	28.4	23.2	22.0	23.1	22.7	26.9	22.6	22.5	22.2	21.9	21.0	19.6	19.2	17.9	18.4	19.7	19.3	20.4	16.9	17.6	19.2	20.9	19.5	18.9	17.3
Wolverhampton	23.5	28.0	25.9	25.1	23.9	24.8	23.8	24.4	23.5	23.0	21.3	21.2	22.4	21.3	23.4	20.2	22.2	21.7	20.7	20.6	21.8	24.2	21.5	23.3	20.7
Birmingham	23.0	24.9	23.0	24.9	26.8	26.6	22.7	24.1	25.5	22.1	20.7	20.0	20.9	21.3	21.4	19.3	19.9	19.7	17.8	18.7	20.7	22.2	20.4	22.0	18.6
Leicester	27.9	26.8	26.8	24.4	24.1	26.7	23.1	22.6	22.1	23.2	25.0	21.8	20.1	19.4	22.1	19.8	20.3	19.5	18.3	16.9	17.9	21.7	18.2	20.0	14.7
Nottingham	24.9	26.0	25.3	23.2	24.8	26.4	22.0	21.1	20.1	21.6	23.8	22.4	23.6	21.3	22.9	19.9	20.4	18.7	17.0	16.5	17.9	18.2	18.7	18.5	17.2
Derby .....	....	....	....	....	....	....	....	....	....	....	....	....	18.7	18.1	18.4	18.1	18.2	17.1	16.3	16.4	18.5	19.1	18.3	18.2	15.0
Birkenhead .....	....	....	....	....	....	....	....	....	....	....	....	....	20.1	19.9	19.6	19.5	19.1	21.0	17.8	17.8	19.7	20.9	19.6	20.5	18.1
Liverpool	32.9	35.1	27.1	25.9	32.0	27.5	27.6	26.3	29.2	26.9	27.1	26.7	26.5	26.7	25.2	23.8	23.8	23.7	20.3	21.6	23.6	27.0	24.7	27.3	23.8
Bolton .....	....	....	....	....	....	....	....	....	....	....	....	....	23.0	21.7	24.1	20.8	23.1	21.3	21.6	22.0	25.8	21.9	22.8	24.1	18.8
Manchester	29.8	31.2	28.6	30.1	30.4	30.0	29.2	28.5	29.2	28.3	26.9	25.5	26.7	27.6	26.4	26.5	26.3	28.7	26.1	26.7	30.6	26.5	23.8	24.9	20.4
Salford	25.8	30.4	25.8	29.3	29.6	28.7	28.3	26.4	27.1	26.7	28.0	22.6	23.2	22.4	22.3	21.1	22.1	22.2	21.1	20.5	22.4	26.0	24.6	24.1	21.0
Oldham .....	....	24.9	31.1	25.8	29.7	27.0	26.0	25.1	27.0	22.8	24.7	22.8	24.6	22.0	24.5	22.0	22.8	23.8	20.3	20.4	21.2	25.7	22.0	21.0	18.6
Burnley .....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	20.4	21.9	18.7
Blackburn .....	....	....	....	....	....	....	....	....	....	....	....	....	25.1	24.5	24.1	21.8	25.5	25.5	23.9	25.5	23.5	25.8	21.7	23.3	17.9
Preston .....	....	....	....	....	....	....	....	....	....	....	....	....	27.6	25.5	27.3	27.1	28.9	27.9	23.9	30.0	27.4	27.3	24.1	26.4	20.8
Huddersfield .....	....	....	....	....	....	....	....	....	....	....	....	....	22.3	21.3	19.6	20.1	19.6	23.0	18.5	18.8	19.0	23.0	18.1	17.2	15.8
Halifax .....	....	....	....	....	....	....	....	....	....	....	....	....	20.4	20.0	23.4	19.7	22.8	21.0	19.4	21.6	22.5	22.8	17.4	16.5	16.5
Bradford	27.5	25.5	26.3	24.7	28.0	27.2	23.9	23.3	24.1	22.0	22.9	19.7	21.2	18.3	20.1	17.7	19.2	19.9	17.1	19.2	20.4	22.2	18.0	21.0	17.0
Leeds	28.7	26.4	27.9	27.6	27.7	26.5	25.1	23.0	24.7	23.5	22.0	21.6	23.2	23.3	24.2	19.9	21.9	21.1	20.6	22.1	22.6	22.9	19.8	22.3	17.9
Sheffield	26.5	28.3	26.0	25.8	26.9	24.9	24.3	23.1	26.6	22.9	22.9	21.1	21.7	22.9	22.4	20.7	19.8	21.6	20.5	20.9	24.9	23.9	20.8	22.3	17.8
Hull	23.8	23.2	26.1	23.9	25.5	27.5	22.9	21.5	24.1	22.0	23.4	23.8	23.2	22.8	21.1	17.2	18.8	19.2	16.4	20.3	19.2	21.0	19.6	21.8	17.4
SUNDERLAND	20.9	36.5	26.5	22.8	23.4	22.5	21.0	22.9	25.9	22.3	25.0	20.9	26.5	24.5	23.1	23.8	19.5	19.7	18.0	22.8	22.5	25.0	20.9	22.4	20.6
Gateshead .....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	18.9	19.3	17.7
Newcastle	25.4	32.2	26.3	30.1	29.2	26.1	22.8	23.0	24.5	24.4	22.8	21.8	23.1	25.5	23.1	26.1	22.2	25.3	20.6	25.2	25.9	23.8	19.7	21.0	18.3
Cardiff .....	....	....	....	....	....	....	....	....	....	....	....	....	20.0	20.2	24.4	25.7	22.6	21.9	20.5	19.5	20.8	22.1	18.8	19.7	16.2
Swansea .....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	20.4	19.6	17.0
Large Towns collectively	25.8	26.9	24.3	24.4	25.4	26.4	23.7	22.7	24.2	23.2	22.7	21.7	22.3	21.6	21.6	20.6	20.9	20.8	19.2	19.3	21.3	22.5	20.7	21.6	18.1

The figures given below have been obtained from the preceding Table to show the relative position of Sunderland compared with the large towns of England and Wales.

REPORT,
1894.
—
Position of
Sunderland.

1869— 3rd among 17 towns.	*1882—25th among 28 towns.
1870— 1st do. do.	1883—23rd do. do.
1871—17th do. do.	1884—17th do. do.
1872—13th do. do.	1885—23rd do. do.
1873— 4th do. do.	1886— 7th do. do.
1874— 4th do. do.	1887— 8th do. do.
1875— 4th do. 20 do.	1888— 9th do. do.
1876— 1st do. do.	1889—22nd do. do.
1877—10th do. do.	1890—19th do. do.
1878—15th do. do.	1891—22nd do. do.
1879— 8th do. do.	†1892—26th do. 33 do.
1880—15th do. do.	1893—25th do. do.
1881— 8th do. do.	1894—28th do. 33 towns.

* Eight towns added this year. † Five towns added.

AGE AND MORTALITY.

The ages at which people died are given below:—

TABLE H.

AGES AT DEATH.												All Ages.
0-1.	1-5.	5-15.	15-25.	25-35.	35-45.	45-55.	55-65.	65-75.	75-85.	85-95.	95, &c.	
804	518	148	159	171	189	198	237	233	137	21	...	2815

Ages at
Death.

REPORT, 1894.
 —
 Age Periods.

From which, when compared with the preceding year, the following figures are obtained :—

TABLE I.

Ages.	1893.	1894	Increase or Decrease.	Ages.	1893.	1894	Increase or Decrease.
0— 1	904	804	— 100	35—65	686	624	— 62
1— 5	418	518	+ 100	65—75	282	223	— 59
5—15	194	148	— 46	75—85	163	137	— 26
15—25	170	159	— 11	85—95	24	21	— 3
25—35	182	171	— 11	95, &c.	0	0	

And these show that, compared with 1893, the deaths for 1894 decreased at the following ages :—

0- 1	decreased	100	35-65	decreased	62
5-15	do.	46	65-75	do.	59
15-25	do.	11	75-85	do.	26
25-35	do.	11	85-95	do.	3

The next Table shows the same ages compared with the previous five years, 1889-1893, with the means of the said years :—

Ages at Death,
 1889-94.

TABLE J.

Year.	0-5	5-15	15-25	25-35	35-45	45-55	55-65	65-75	75-85	85 and upds	Tls.
1889	1447	177	125	149	209	206	280	255	177	35	3063
1890	1320	187	178	171	232	236	285	304	187	40	3140
1891	1472	165	138	184	227	199	309	328	219	32	3273
1892	1301	173	140	149	180	191	221	241	151	27	2774
1893	1322	194	170	182	215	217	254	282	163	24	3023
Means 1889-93	1372	179	154	167	212	209	269	282	179	31	3054
1894	1322	148	159	171	189	197	237	233	137	21	2815
De- crease or in- crease	—50	—31	+5	+4	—23	—12	—32	—49	—42	—10	—239

The ages at death in the Sub-Registration Districts were as follows :—

REPORT,
1894.

TABLE K.

Sub-Districts.	0-1	1-5	5-15	15-25	25-35	35-45	45-55	55-65	65-75	75-85	85-95	95 and upwards.	Totals.
Sunderland	127	96	16	22	25	32	32	50	33	14	2	..	449
Bishopwearmouth N.	252	147	63	51	65	66	63	71	65	45	4	:	892
Bishopwearmouth S. ...	236	158	31	46	51	59	64	75	85	41	10	:	856
Monkwearmouth.....	189	117	38	40	30	32	39	41	50	37	5	:	618
Totals	804	518	148	159	171	189	198	237	233	137	21	..	2815

Ages at Death
in the
Sub-Districts.

MORTALITY IN THE DISTRICTS.

In the Sub-Districts the total deaths and death-rates were as under :—

Sunderland Sub-District ...	449	deaths =	31·43	rate.
Bishopwearmouth North ...	892	„ =	20·84	„
Bishopwearmouth South ...	856	„ =	17·49	„
Monkwearmouth	618	„ =	20·53	„
Borough.....	2,815		20·68	

REPORT,
1894.

ZYMOTIC DISEASES.

NOTIFICATION OF INFECTIOUS DISEASES.

—
Cases
Notified.

The Returns of the year 1894 show a considerable decrease in the number of cases of infectious diseases notified, compared with the preceding year.

CASES.

DISEASE.	1889	1890	1891	1892	1893	1894	Totals.
Smallpox	6	...	...	2	36	8	52
Scarlet Fever ...	751	921	445	409	967	706	4199
Enteric Fever ...	170	311	271	284	801	588	2425
Typhus Fever ...	51	8	35	56	43	10	203
Continued Fever	37	102	85	104	117	80	525
Diphtheria	44	54	24	38	18	23	201
Puerperal Fever	11	12	9	12	6	12	62
Totals....	1070	1408	869	905	1,988	1427	7,667

Deaths from
Infectious
Diseases.

The following Table shows the deaths for the same period (1889-94) from the same diseases :—

DEATHS.

DISEASE.	1889	1890	1891	1892	1893	1894	Totals.
Smallpox .....	...	...	...	...	5	...	5
Scarlet Fever ...	38	72	26	20	26	25	207
Enteric Fever ...	28	35	37	48	108	74	330
Typhus Fever ...	8	6	6	7	18	5	50
Continued Fever	1	4	12	5	9	4	35
Diphtheria	19	11	8	8	5	6	57
Puerperal Fever	5	5	4	6	2	5	27
Totals	99	133	93	94	173	119	711

Smallpox.

During the year 8 cases of Smallpox were notified to the Health Department, and every precaution was taken to prevent the disease assuming serious proportions in the Borough.

TABLE L.

REPORT,
1894.

The annexed Return shows the deaths from infectious diseases for 23 years (1872-1894):—

Deaths from
Infectious
Diseases,
1872-94.

Years.	Smallpox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	Enteric Fever.	Typhus Fever.	Continued Fever.	Diarrhoea.
1872	54	50	114	9	82		106		112
1873	1	33	28	16	58		53		153
1874	...	59	140	13	17		53		165
1875	...	5	61	8	133	21	21	3	141
1876	..	42	133	9	53	34	19	11	146
1877	...	1	138	15	63	35	26	6	82
1878	1	93	186	14	175	30	23	6	204
1879	...	1	243	10	44	23	4	6	73
1880	...	99	312	3	73	27	15	10	209
1881	...	3	145	8	40	22	5	5	90
1882	1	191	168	18	106	42	34	11	129
1883	52	16	38	18	22	33	41	4	85
1884	84	7	46	13	95	13	11	4	150
1885	17	385	106	12	32	16	16	4	82
1886	...	4	27	5	51	13	7	6	194
1887	...	168	17	7	59	30	7	6	111
1888	1	4	19	16	46	20	7	6	59
1889	...	126	38	19	68	28	8	1	170
1890	...	19	72	11	52	35	6	4	132
1891	...	148	26	8	40	37	6	12	128
1892	...	121	20	8	99	48	7	5	81
1893	5	17	26	5	23	108	18	9	258
1894	...	119	25	6	65	74	5	4	113

REPORT,
1894.
—
Infectious
Diseases
Death-rates.

The following Table has been compiled to show the death rates from Zymotic diseases in Sunderland for 1894, and for the 10 years 1884-93. It also gives the rates for the large towns for the same periods.

TABLE M.

ZYMOTIC DISEASES. 1	Sunderland.		Large Towns.	Large Towns.
	1894.		1894.	1884-93.
	Deaths. 2	Death Rates. 3	Death Rates. 4	Death Rates. 5
Smallpox .....	..	...	0·09	0·04
Measles	119	0·85	0·80	0·63
Scarlet Fever	25	0·18	0·31	0·21
Diphtheria	6	0·07	0·09	0·38
Whooping Cough...	65	0·52	0·45	0·48
Fever	83	0·60	0·37	0·19
Diarrhœa	113	0·84	1·10	0·51
Totals	411	3·05	...	...

The next Table shows the cases and deaths of Infectious Diseases notified in each district for each quarter.

TABLE N.

REPORT,
1894.Cases and
Deaths.

DISEASES.	Sunderland Sub-District.				Bishopwearmouth North.				Bishopwearmouth South.				Monkwearmouth.				Borough.			
	Quarters.				Quarters.				Quarters.				Quarters.				Quarters.			
	1st	2nd	3rd	4th	Totals.	1st	2nd	3rd	4th	Totals.	1st	2nd	3rd	4th	Totals.	1st	2nd	3rd	4th	Totals.
Smallpox { Cases .. Deaths ..	..	..	..	..	4	..	3	1	..	..	..	..	..	..	..	..	7	1	..	8
Scarlet Fever { Cases .. Deaths ..	12	3	4	13	32	75	59	37	69	240	68	63	45	144	320	190	148	112	256	706
Enteric Fever { Cases .. Deaths ..	8	2	26	33	69	8	11	95	98	212	20	12	67	50	149	52	38	263	235	588
Typhus Fever { Cases .. Deaths ..	4	..	2	3	9	4	1	8	14	27	8	1	8	9	26	16	13	75	54	153
Continued Fever. { Cases .. Deaths ..	1	1	3	5	10	..	9	25	10	44	..	3	4	1	8	4	4	8	6	18
Diphtheria { Cases .. Deaths ..	..	..	..	..	..	1	2	..	1	4	..	..	..	..	..	5	13	40	22	80
Puerperal Fever.. { Cases .. Deaths ..	..	..	..	..	..	..	2	1	3	6	1	1	..	..	..	5	6	3	9	23
Totals { Cases .. Deaths ..	21	6	34	51	112	85	85	163	151	514	90	85	116	231	492	60	40	112	97	309
	4	..	2	3	9	9	6	12	18	45	14	3	11	12	40	6	5	7	8	26

REPORT,
1895.
—
Measles.

Having heard during the Summer that Measles was prevalent in the Borough, I sent a circular letter to each Medical Man, as follows :—

HEALTH DEPARTMENT,

TOWN HALL,

SUNDERLAND,

JUNE 12th, 1894.

DEAR SIR,

I have reason to believe that Measles is very prevalent at present in the Borough, but, as it is not a notifiable disease, I have no chance of knowing where the cases are.

I therefore take the liberty of asking the profession in the town to give me some idea as to the number of cases under their care, so that I may, as far as possible, take such steps as I think necessary to prevent it spreading further.

Thanking you in anticipation,

I am,

Yours truly,

JNO. C. WOOD.

I also saw Mr. Bryers and obtained the co-operation of the School Board Officers, the result being that I was informed of 1208 cases.

Every means were adopted to prevent further spread. Printed instructions were left at each house, and disinfectants supplied; bills were also issued drawing the attention of parents and the public generally as to what precautions should be taken.

I also received the following letter from Canon Mathie with respect to Measles in St. Paul's School, Hendon Street :—

RECTORY,

HENDON,

JUNE 18th, 1894.

DEAR SIR,

Owing to the epidemic of Measles and other complaints, the number of children attending the St. Paul's School, Hendon Street, has greatly diminished last week, and even more so this week ; this is especially the case in the Infants' Department, instead of the average attendance of 180, there were only 79 last week, and on Monday morning only 77. The boys' and girls' department, although not to so large an extent, have also diminished numbers. Would you kindly visit the School and see whether it would not be advisable to close at least the Infants' Department, as we cannot close without the sanction of the Sanitary Authorities. I should feel much obliged if you would kindly visit us at once.

I remain,

Faithfully yours,

B. MATHIE.

I visited the School and conferred with Canon Mathie and Mr. Watson, the master, and came to the conclusion that there was no necessity to close the School, as I was of opinion the disease had been at its worst there.

REPORT,
1894.

CONSTITUTIONAL DISEASES.

—
Constitutional Diseases. The deaths from Constitutional Diseases numbered 500, or an increase of 21 upon that of the preceding year. The following were the principal causes of death :—

Phthisis	236 deaths.
Cancer	92 „
Tabes Mesenterica.....	28 „
Tubercular Meningitis	87 „

Cancer—
Increase in
number of
deaths.

Cancer shows an increase of 18 deaths.

The deaths in the quarters were as under :—

1st quarter	138
2nd „	119
3rd „	131
4th „	112
Year.....	<u>500</u>

Districts.

While in the Sub-Registration Districts they occurred as follows :—

Sunderland Parish.....	86
Bishopwearmouth North	163
Bishopwearmouth South	155
Monkwearmouth	96
Borough	<u>500</u>

The deaths from Consumption, together with percentages and death-rates, for 1894 and 18 years preceding, are given below :—

REPORT,
1894.
—
Consumption.

TABLE O.

Years.	Mortality.	Percentage of Total Mortality.	Death-rates per 1,000 of the Population.
1894	236	8·3	1·73
1876	207	9·7	2·0
1877	212	8·5	1·9
1878	211	7·2	1·9
1879	219	8·7	1·9
1880	224	7·7	1·9
1881	183	7·7	1·6
1882	247	7·8	2·0
1883	236	7·9	1·9
1884	227	7·8	1·9
1885	212	7·1	1·7
1886	237	9·5	1·9
1887	203	7·9	1·7
1888	235	7·7	1·8
1889	235	7·6	1·8
1890	269	8·5	2·0
1891	218	6·6	1·6
1892	212	7·6	1·5
1893	203	6·7	1·5
18 Years	3,990	7·9	1·8

Deaths,
1876-94.

REPORT,
1894.

INFANTILE MORTALITY.

Deaths under
1 Year.

During the year 1894 there were no less than 804 deaths among children under 12 months old. This is a decrease of 100 of the number registered in the preceding year. The death rate per 1000 children born was 168, that for 1893 being 189.

The following shows the deaths and rates per 1000 children born, for 10 years, compared with 1894 :—

Year.	Deaths.	Deaths per 1,000 Children Born.
1884	875	167
1885	740	156
1886	705	152
1887	682	152
1888	619	135
1889	878	182
1890	865	175
1891	881	178
1892	781	159
1893	904	189
1894	804	168

Infantile
Deaths in
Districts.

The Infantile Mortality Rates in each Registration District are as under :—

	Births.	Deaths.	Infantile Mortality Rate.
Sunderland.....	533	127	239
Bishopwearmouth N...	1623	252	155
Bishopwearmouth S...	1480	236	159
Monkwearmouth	1124	189	168
Borough	4760	804	168

The Infantile Deaths in each Quarter, together with the proportions to a 1,000 Births, are given below :—

REPORT,
1894.
—

1st Quarter... 188 deaths = 149 per 1,000 births.

2nd ,, ... 151 ,, = 124 ,,

3rd ,, ... 214 ,, = 195 ,,

4th ,, ... 251 ,, = 210 ,,

804	168
— —	— —

Here it will be seen the 4th Quarter of the year was the heaviest in Infantile Mortality.

REPORT,
1894.

SUMMER DIARRHŒA.

—
Increase of
Diarrhœa.

The deaths from Diarrhœa during the third quarter of a year are generally heavy, and last year was no exception to the rule. During the months of July, August, and September of 1894 no fewer than 83 deaths from Diarrhœa were registered, whilst in the first, second, and fourth quarters of the year only 31 deaths were recorded, making a total for the twelve months of 114.

The deaths for each week for ten years in the third quarter are appended :—

TABLE P.

Deaths from
Diarrhœa.
Third
Quarter.

Months.	Weeks of Year.	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	Average for 10 Years.
July.	27th	2	3	2	3	2	7	2	2	1	10	...	3·4
	28th	...	3	3	3	2	23	2	1	1	11	2	4·9
	29th	5	5	3	5	...	14	...	3	2	21	2	5·8
	30th	4	7	4	6	...	11	...	4	2	15	3	5·1
	31st	8	13	9	12	1	12	6	4	1	18	3	8·4
August.	32nd	7	8	3	14	...	11	2	8	2	16	7	7·1
	33rd	7	4	7	10	2	12	13	5	2	20	21	8·2
	34th	13	3	13	8	3	17	15	7	2	31	22	11·2
	35th	13	3	17	9	1	14	9	11	11	24	7	11·2
	36th	19	...	23	14	9	6	6	6	11	15	6	10·9
September.	37th	19	2	32	7	5	3	10	6	7	16	6	10·7
	38th	12	2	19	3	7	7	14	16	5	13	2	9·8
	39th	9	5	11	1	8	7	9	16	6	10	2	8·2
	Annual Totals.	118	58	146	95	40	144	88	89	53	220	83	105·1

The atmospherical conditions, and the mortality from Diarrhœa in the third quarter of the year, are given in the following Table :—

REPORT,
1894.

—
Temperature
and
Diarrhœa.

TABLE Q.

Weeks of Year.	Total Number of Deaths.	Under 3 Months.	Aged 3 Months to 6 Months.	Aged 6 Months to 12 Months.	Aged 1 to 5 Years.	5 Years and upwards.	Mean Maximum Temperature of the Air.	Adopted Mean Temperature.	Mean Daily Range of Temperature.	Rainfall in Inches.
							deg.	deg.	deg.	in.
27th .....	...	..	...	...	...	...	61·8	60·7	16·1	0·20
28th	2	...	...	1	1	...	66·1	59·5	13·4	1·00
29th	2	...	...	1	...	1	64·1	57·3	13·5	0·83
30th	3	...	...	1	2	...	61·7	53·0	7·7	0·29
31st	3	1	1	...	..	1	64·1	58·9	10·2	0·39
32nd	7	..	1	3	3	...	63·7	58·4	10·5	1·13
33rd	21	1	8	4	6	2	63·0	56·3	13·2	0·80
34th	22	1	1	7	9	4	60·0	54·0	11·8	0·41
35th	7	1	..	5	1	...	60·2	55·3	9·8	0·56
36th	6	1	2	2	...	1	56·1	50·1	11·8	0·35
37th	6	1	1	2	2	..	61·2	54·1	14·1	0·00
38th	2	1	...	...	1	...	56·0	52·1	7·2	0·07
39th	2	...	...	1	1	...	56·4	51·2	9·1	0·16
Total Deaths and Meteorological Averages.	83	7	14	27	27	9	61·1	55·4	11·4	6·19

REPORT,
1894.
—

The following Table gives the atmospherical conditions for 10 years, together with the deaths from Diarrhœa, in the third quarter of each year :—

TABLE R.

Temperature,
&c., and
Diarrhœa, in
Third Quarter

Years.	Mean Temperature of Air.	Daily Range of Temperature.	Rainfall in Inches.	Diarrhœa Deaths under 5 Years of age.	Total Diarrhœa Deaths.
1894	Deg. F. 55·45	Deg. F. 11·4	6·19	74	83
1884	57·70	11·7	4·81	112	117
1885	55·10	12·5	7·18	51	58
1886	56·90	13·4	8·41	137	146
1887	56·84	14·4	9·00	92	95
1888	54·00	14·4	9·87	37	40
1889	58·50	12·6	7·90	136	144
1890	55·40	14·0	9·67	84	88
1891	54·60	15·4	9·20	85	89
1892	53·40	14·9	8·23	49	53
1893	56·10	15·5	6·61	206	220
Averages, } 1884-93 }	55·85	13·8	8·08	98	104

The mortality in the third quarter in each of the Registration Districts was :—

Sunderland	16 deaths.
Bishopwearmouth North ...	26 „
Do. South.....	28 „
Monkwearmouth	13 „
	—
Borough.....	83 „
	—

PREVENTION OF INFECTIOUS DISEASES.

REPORT,
1894.—
Removals to
Hospital.

During the year there were removed either to the Corporation Hospital or to the Union Hospital the large number of 478 patients. In the following Table the figures for each disease are shown for 10 years and also for 1894. No fewer than 420 of the cases removed in 1894 were admitted into the Corporation Hospital.

TABLE S.

	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894
Smallpox ...	336	105	...	...	10	6	...	..	2	36	8
Measles .....	...	8	...	6	2	1	...	5	1	...	4
Scarlet Fever	11	9	29	29	50	60	92	57	77	228	187
Diphtheria ...	1	...	...	...	...	...	1	...	3	1	...
Typhus Fever	30	46	21	7	42	45	2	27	48	31	8
Enteric&Con- tinued Fever.	7	15	37	32	24	25	50	94	89	314	271
Totals...	385	183	87	74	128	137	145	183	220	610	478

The cases treated in the Borough Fever Hospital were—

Smallpox.....	8
Enteric and Continued Fever	229
Diphtheria	—
Typhus Fever.....	8
Scarlet Fever	171
Measles	4

And in the Union Hospital—

Enteric and Continued Fever	42
Scarlet Fever	16

REPORT,
1894.
—
Death-rate in
Hospital.

A fact worthy of being recorded is, that although the number admitted into Hospital was greater than for many years past, except the previous year, the death-rate of patients was extremely satisfactory. The following are the figures for the past four years :—

1891—	Patients admitted, 155, of which 13 died, or 8·3 per cent.					
1892—	„	194,	„	18	„	or 9·2 „
1893—	„	513,	„	48	„	or 9·3 „
1894—	„	420,	„	28	„	or 6·6 „

SANITARY REPORT.

During the 12 months ending December 31st, 1894, 4,215 nuisances were attended to by the Inspectors of Nuisances, who performed their work in a very satisfactory manner. No fewer than 1,127 notices were served to repair water-closets, privies, ash-pits, &c., while 4,730 persons were served with notices to whitewash their premises; 1,843 orders were also given to cleanse properties after infectious disease had been therein.

REPORT,
1894.

—
Notices
Served.

The full details of the notices served, inspections made, and nuisances attended to, are given in Tables XV. and XVI. Appendix.

COMMON LODGING-HOUSES.

These houses were inspected systematically during the year. At least once a month they were examined at night time by the Inspectors, who also visited them during the day time. There were 17 offences against the bye-laws. The amount of fines imposed can be seen on reference to Table XIII. Appendix. The Medical Officer is making strong efforts to have these houses put in a thoroughly good sanitary condition.

COW-BYRES.

These places were kept under strict supervision during the year.

SLAUGHTER-HOUSES.

The Slaughter-Houses in the Borough were regularly inspected, generally on the days on which the largest number of beasts and sheep are killed for market. The Meat Inspector also made many surprise visits to them at Nightly Visits night time.

REPORT,
1894.
—
Meat
Condemned.

INSPECTION OF MEAT AND FOOD.

The inspection of Food was thoroughly carried out by the Inspectors during the year, the Butchers' Shops, Market, and other places being regularly visited both by day and night. No less than 42 seizures were made. Below will be found a detailed statement of the seizures :—

MEAT—Beef	1,457 lbs.	FRUIT—Cherries.....	23 bsks.
Veal	87 „	Plums	41 lbs.
Pork	126 „	Pears	18 „
Sausage	3½ „	Tomatoes.....	5 „
Rabbits	31	Lemons	25½ „
FISH —Haddocks.....	112 st.	Damsons	10 „
Flat Fish...9st. & 20 pcs.		Bananas	3 bsks.
Shrimps	952 qts.	VEGETABLES—Onions...116 lbs.	
Eggs —7 lbs.		Potatoes	100 st.

From the above it will be seen there were 1,457 lbs. of meat alone condemned.

Changes in
Staff.

It is with extreme regret that I have to report the deaths of Mr. William McKay, Chief Inspector of Nuisances, and Mr. John William Ferguson, Chief Clerk, who died on November 21st, 1894, and December 26th, 1894, respectively. Mr. McKay served this Corporation for over 28 years, and Mr. Ferguson, 19 years, and I need hardly say that more painstaking, indefatigable officers could not be found.

In consequence of these deaths, Mr. John Pennock was appointed Chief Inspector of Nuisances, and Mr. James Field, Chief Clerk, and I must thank them for the energetic manner they have carried out their respective duties.

I must also thank Mr. John Wilkinson (Superintendent of the Cleansing Department), and Captain Preston (Port Sanitary Inspector), for the careful way they have performed their duties, which has given entire satisfaction.

REPORT OF DEPUTATION ATTENDING THE FOURTEENTH CONGRESS OF SANITARY INSTITUTES.

The following is the joint Report of Alderman T. J. Rickaby and the Medical Officer of Health :—

REPORT,
1894.
—

TO THE MAYOR AND CORPORATION,—

The Sanitary Institute of Great Britain held its Annual Congress this year in the City of Liverpool, and commenced its proceedings on the 24th September.

The Congress was attended by the deputation appointed by this Corporation on the recommendation of the Health Committee.

The deputation, in presenting its report, would, in the first place, acknowledge its obligations to the Lord Mayor of Liverpool for the kindly reception he accorded to them, also to the gentlemen who were officially identified with the Congress, for their uniform courtesy.

The Congress of 1894 will be remembered as one of special interest and importance. This is true, whether we take into account the great importance and wide and comprehensive range of subjects treated, the scientific eminence and practical experience of those who read papers, and took part in the discussions, or the valuable lessons in Sanitary administration which were to be derived therefrom.

The subjects submitted for consideration were divided into three sections :—

1st.—Sanitary Science and Preventive Medicine.

2nd.—Engineering and Architecture.

3rd.—Chemistry, Meteorology, and Geology.

In addition, the Medical Officers, Engineers, and Sanitary Inspectors, each held separate deliberations.

The President for the year was Sir Francis S. Powell, Bart. His inaugural address was an able deliverance. It breathed a spirit of broad and enlightened sympathy with all who are engaged in sanitary work. And in a comprehensive and general manner dealt with the progress which has been attained.

REPORT,
1894.
—

The number of papers read was very considerable, but it is not necessary to refer to them all here. Suffice to say that the following subjects, amongst others, received the attention of the Congress :—

- “ Marine and Port Sanitation.”
- “ Overcrowding of Houses on Land.”
- “ Import of the Death Returns.”
- “ Teaching Hygiene in Elementary Schools.”
- “ The Question of Water Supply.”
- “ The Pollution of Rivers and Streams.”
- “ The Purification of Water in Rivers.”
- “ The Purification of Air from Infectious Hospitals.”
- “ Improved Dwellings for Working Classes.”
- “ Infant Mortality and Female Labour.”
- “ The Disposal of Refuse.”
- “ Typhoid Fever, and how to Prevent it Spreading.”

On the subject of “ Port Sanitation ” Dr. Collingridge, the able Medical Officer of Health for the Port of London, advocated the appointment by each Port Sanitary Authority of a Medical Officer of Health, whose duty it should be to board and inspect every vessel arriving in port, in order to ascertain if any one on board was suffering from any infectious disease. Against this proposal the Chairman of your Health Committee made a strong protest. Appointments of this kind, except perhaps in such ports as London and Liverpool, are wholly unnecessary, and would involve a waste of money.

On the subject of “ Death Returns ” Dr. Hope, Medical Officer of Health for the City of Liverpool, pointed out what the Chairman of your Health Committee has frequently mentioned, “ that the present official mode of making the death returns is most unfair for the purposes of comparison between one town and another.” The unfairness consists in not taking into account the area as well as the population of each town. Liverpool and Huddersfield offer a striking illustration in point. The former

town has a population of about 120 persons to the acre, whilst the latter town has only a population of 8 persons to the acre. Comment is needless.

REPORT,
1894.
—

So far as Sunderland is concerned, the most important papers read at the Congress related to "Typhoid Fever." This is a disease which unfortunately still assumes epidemic proportions in this town. We might say it is endemic amongst us. This being so, it demands the most serious and prompt attention at our hands.

Dr. Klein, who delivered a lecture entitled "The Etiology of Typhoid Fever," is one of the most eminent bacteriologists of the day. His lecture, as may be easily imagined, was severely scientific and technical ; and, strange to say, it dealt an unexpected blow at the commonly accepted bacteriological theory of typhoid fever. But to look to this lecture in hope of finding any hint as to how the spread of typhoid may be prevented would be quite useless.

The paper read by Professor Roche on "The Spread of Typhoid Fever," and the discussion which followed, were much more interesting and instructive.

It may now be taken for granted that the active agent in the spread of typhoid fever is a bacillus, or microbe. Whether or not it be the specific bacillus which Dr. Klein contends for, need not concern the public very much. One thing is beyond all doubt, wherever you have typhoid fever you have the presence of this dangerous microbe ; and wherever you have anything contaminated in the slightest degree by typhoid discharges, you have the existence of this microbe in constant and most vigorous activity ; and whoever comes within the range of its pestilential influence runs a perilous risk of contracting the disease. You may easily have typhoid germs in such articles of diet as milk and water, and, unfortunately, the presence of the microbe may not always be so apparent as to excite suspicion. You may have those germs permeating the exhalations from your house drains, from your gully grates, from your middens and privies ; even the soil about your dwellings

REPORT,
1894.

—

may be saturated with them. The question of the hour then is—How to prevent the spread of typhoid. It is comforting to know that some towns have been able to almost entirely rid themselves of it; and what those towns have done this town may do. It would appear that the only known effective remedy is the utter and complete destruction of the microbe. Unless this is done the root of the evil has not been reached. Simple disinfectants are impotent for the purpose. The bacillus has a vitality which defies such efforts.

We cannot complain of our water supply, for in every respect it is as nearly as possible perfect. Neither can any serious charge be brought against our sewerage system, for it is neither better nor worse than that of other towns. Respecting our ashpit system, the least said the better; it is without one redeeming feature, and ought to be supplanted. Besides its other objectionable characteristics, it affords a happy hunting ground for every species of microbe. Still, if the microbe were absent, our ashpits would not be such a source of danger as they now are. This brings us back to the question of destruction. In towns where they have refuse destructors the matter is not difficult at all, and even in towns such as this, where there is no destructor, we hope the difficulty can be easily overcome. Professor Roche, in his paper, refers to a mode of destruction which he describes as simple and not costly. He mentions £100 as a sum quite sufficient for the purpose. Another mode we heard of was the invention of Dr. Sargeant, which may possibly be less costly. This, however, is a matter for further inquiry. No other difficulty is likely to arise, except when patients are being treated at home. In order to meet such cases the Corporation might provide vessels with close fitting lids, and when a case is being treated at home one of these might be sent to such home for the reception of all discharges, and at least once every day; such vessels could be collected by a servant of the Corporation, and removed for the purpose of having its contents destroyed.

The first indispensable requirement to be insisted upon at all cost is, that nothing whatever in the nature of discharges from a typhoid patient must be allowed to find its way into any drain or sewer, or into any privy or midden, or even buried in soil. *All must be destroyed.*

The words of Sir Thomas Crawford will form a fitting conclusion to this report. Sir Thomas, in moving a vote of thanks to Dr. Klein for his lecture, said—"Another duty which all owed to their neighbours was to see that no poison from a typhoid case found its way by any means into a public sewer. Any one who neglected this precaution was guilty of inflicting on the public a calamity, which might be ruinous to a large population."

We would suggest to the Council the necessity for taking immediate measures dealing with the constantly increasing typhoid fever in our town.

Signed,

T. J. RICKABY.

October, 1894.

J. C. WOOD.

REPORT,
1894.
—

REPORT,
1894.

CLEANSING DEPARTMENT.

Return showing the number of Ash-pits Cleansed; also Inhabited Houses, Populations, &c., for Seventeen Years (1878-94).

TABLE T.

Year.	No. of Inhabited Houses.	Estimated Population. *	No. of Ash-pits Cleansed.	Quantity of Refuse Removed.	Average No. of Horses Employed Daily.	Applications received at Office to empty Ash-pits.
				Loads.		
1878	14,999	111,049	No Returns available.	32,250	18½	8,205
1879	15,313	112,918		35,529	19¼	9,052
1880	15,632	114,819		45,747	19½	6,987
1881	15,956	116,753		56,321	23	12,554
1882	16,270	118,132	37,841	58,991	26	11,324
1883	16,728	119,527	47,607	66,188	30½	8,700
1884	17,208	120,940	74,869	73,192	30½	6,148
1885	17,444	122,369	82,689	73,662	30½	4,461
1886	17,189	123,814	87,921	68,867	30½	5,283
1887		125,276	120,296	67,970	30½	3,166
1888	17,790	126,757	101,012	68,652	30½	3,924
1889		128,254	88,544	68,018	30½	4,813
1890		129,769	100,987	70,472	30½	4,945
1891	18,590	131,302	119,156	72,519	30½	4,912
1892	19,098	132,839	132,575	74,949	30½	4,569
1893	19,476	134,515	149,717	71,235	30½	4,584
1894	19, 54	136,101	148,884	72,115	31½	4,716

23,653 loads of Road Sweeping also were removed during the year, making a total of 95,966 loads dealt with by the Health Department.

The number of Barrels and Tanks of Water used for Street Watering purposes was 7,171.

During the twelve months 33,801 loads of Refuse were sent to sea by Hopper.

ANALYST'S REPORT.

REPORT,
1894.
—

During the year, 67 articles of food were examined. The following Return gives the particulars as to articles analysed :—

ARTICLES SUBMITTED FOR ANALYSIS.	NO. OF SAMPLES.	RESULT OF ANALYSIS, Showing whether the Sample was Genuine or Adulterated, and, if Adulterated, what were the nature and extent of the Adulterations.	OBSERVATIONS.
New Milk.....	9	All Genuine.	—
Tea	6	do.	—
Coffee	7	do.	—
Butter	1	do.	—
Lard	1	do.	—
Flour.....	6	do.	—
Bread	1	do.	—
Sugar	6	do.	—
Mustard	7	do.	—
Pepper	6	do.	—
Vinegar.....	1	do.	—
Whisky.....	5	do.	—
Rum	4	do.	—
Gin	6	do.	—
Brandy	1	do.	—
Total No...	67		

Health Department,
Town Hall,
Sunderland,
July, 1895.

APPENDIX.

VITAL AND SANITARY STATISTICS,

1894,

TOGETHER WITH

ABSTRACTS FOR NINETEEN YEARS, 1875-93.

METEOROLOGICAL OBSERVATIONS.

TABLE I.

Showing the Population, Inhabited Houses, Marriages, Births, and Deaths for the year 1894, and 19 years preceding.

GROSS NUMBERS.

The Year.	Estimated Population. *	No. of Inhabited Houses.	Marriages.	Registered Births.	Registered Deaths.	Deaths in Public Institutions.
1894	136,101	19,854	1,266	4,760	2,815	272
1875	105,621	14,037	1,184	4,509	2,385	167
1876	107,400	14,356	1,081	4,409	2,262	160
1877	109,201	14,675	1,108	4,499	2,487	205
1878	111,049	14,994	1,125	4,641	2,861	207
1879‡	112,918	15,313	966	4,486	2,507	210
1880	114,819	15,632	1,133	4,372	2,901	227
1881	116,753	15,956	1,370	4,587	2,436	218
1882	118,132	16,270	1,547	4,889	3,146	202
1883	119,527	16,728	1,522	5,054	2,961	206
1884‡	120,940	17,208	1,230	5,338	2,888	247
1885	122,369	17,444	1,168	4,725	2,977	236
1886	123,814	17,189	1,082	4,621	2,479	241
1887	125,276	17,810	1,186	4,474	2,549	229
1888	126,757	17,790	1,343	4,559	2,375	214
1889	128,254	18,607	1,447	4,818	3,063	234
1890‡	129,769	18,590	1,442	4,932	3,140	292
1891	131,302	18,590	1,318	4,945	3,273	285
1892	132,839	19,098	1,221	4,909	2,774	257
1893	134,515	19,476	1,203	4,770	3,023	310
Average of 19 Years, 1875-93. }	120,596	16,830	1,257	4,717	2,762	228

NOTES.

- 1.—Population of Census, 1891 = 131,015.
- 2.—Average Number of Persons in each House at Census, 1891 = 7.04.
- 3.—Area of Borough in Acres—2,963, exclusive of tidal water and foreshore, but including the docks.
- 4.—Average Number of Persons living on each acre at Census, 1891 = 44.18.

* For Statistical purposes the Registrar General estimates the Population to the middle of the year, on the basis of rate of increase ruling between the two preceding census periods. The estimate of population may be checked to a certain extent by the known number of inhabited houses, and by the average number of inmates per house, as ascertained at the preceding census.

‡ In these years there were 53 weeks, therefore, in calculating annual rates from the figures given for the population, care should be taken to add a fifty-second part to them to get the true ratios; hence the respective populations for these years would be 115,089, 123,265, and 132,264.

TABLE II.

Showing the ANNUAL BIRTH and DEATH-RATES, DEATH-RATES OF CHILDREN, proportion of DEATHS IN PUBLIC INSTITUTIONS in 1000 Deaths for the year 1894 and 13 years preceding.

In Year. 1	Birth Rates per 1000 of the Population. 2	Death Rates per 1000 of the Population. 3	Deaths of Children under 1 Year per 1000 of Registered Births. 4	Deaths of Children under 1 Year per 1000 of Total Deaths. 5	Deaths of Children under 5 Years per 1000 of Total Deaths. 6	Deaths in Public Institutions per 1000 of Total Deaths. 7
1894	34·97	20·68	168	285	469	96
1881	39·30	20·85	146	275	449	89
1882	41·32	26·61	184	287	500	64
1883	42·25	24·73	137	235	383	103
1884†	43·30	23·43	167	308	481	187
1885	38·62	24·32	156	245	505	82
1886	37·37	20·02	152	248	449	97
1887	35·60	20·34	152	267	458	89
1888	35·95	18·73	135	260	399	90
1889	37·56	23·88	182	286	473	76
1890†	37·29	23·74	175	275	420	92
1891	37·65	24·93	178	269	449	95
1892	36·95	20·88	159	281	469	92
1893	35·46	22·47	189	299	437	102
Average of 13 Years, 1881-1893 }	38·34	22·69	162	271	451	89

† There were 53 weeks in these years, and the rates have therefore been corrected for the extra week.

TABLE III.

SHOWING DEATHS FROM ALL CAUSES DURING THE YEAR 1894

CAUSES OF DEATH.	0 to 1	1 to 5	5 to 15	15 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 to 75	75 to 85	85 to 95	95 and upwards	Totals
I.—Specific, Febrile, &c.	128	180	44	32	20	17	8	10	6	....	....	....	445
II.—Parasitic Diseases . . . . .	....	....	....	....	....	....	....	....	....	....	....	....	....
III.—Dietic Diseases . . . . .	....	....	....	....	1	1	1	1	1	....	....	....	5
IV.—Constitutional Diseases	63	84	40	63	62	55	48	47	32	6	....	....	500
V.—Developmental Diseases	106	....	....	....	....	....	....	3	28	71	16	....	224
VI.—Local Diseases	302	225	55	53	79	101	118	163	162	56	4	....	1318
VII.—Deaths from Violence.. . . .	15	8	6	9	6	8	14	7	3	3	1	....	80
VIII.—Deaths from Ill-defined Causes	190	21	3	2	3	7	9	6	1	1	....	....	243
TOTALS	804	518	148	159	171	189	198	237	233	137	21	....	2815
I.—Specific or Febrile Causes.													
1.—Miasmatic Diseases.													
Smallpox { Vaccinated . . . . .	....	....	....	....	....	....	....	....	....	....	....	....	....
Unvaccinated . . . . .	....	....	....	....	....	....	....	....	....	....	....	....	....
Unknown . . . . .	....	....	....	....	....	....	....	....	....	....	....	....	....
Measles	19	87	13	....	....	....	....	....	....	....	....	....	119
Scarlet Fever (Scarlatina)	3	10	12	....	....	....	....	....	....	....	....	....	25
Diphtheria.. . . .	....	5	1	....	....	....	....	....	....	....	....	....	6
Whooping Cough.. . . .	23	40	2	....	....	....	....	....	....	....	....	....	65
Typhus Fever . . . . .	....	....	1	3	1	....	....	....	....	....	....	....	5
Enteric or Typhoid Fever . . . . .	....	2	10	27	14	11	6	3	1	....	....	....	74
Simple Continued and Ill-defined Fever . . . . .	....	1	2	....	....	....	....	....	1	....	....	....	4
Other Miasmatic Diseases . . . . .	....	....	....	....	....	....	1	2	....	....	....	....	3
2.—Diarrhoeal Diseases.													
Simple Cholera . . . . .	....	1	....	....	....	....	....	....	....	....	....	....	1
Diarrhoea, Dysentery	68	32	3	1	....	2	1	2	4	....	....	....	113
3.—Malarial Diseases.													
Remittent Fever . . . . .	....	....	....	....	....	....	....	....	....	....	....	....	....
Ague . . . . .	....	....	....	....	....	....	....	....	....	....	....	....	....
4.—Zoogenous Diseases.													
Cowpox, Effects of Vaccination . . . . .	....	....	....	....	....	....	....	....	....	....	....	....	....
Hydrophobia . . . . .	....	....	....	....	....	....	....	....	....	....	....	....	....
Glanders . . . . .	....	....	....	....	....	....	....	....	....	....	....	....	....
Splenic Fever . . . . .	....	....	....	....	....	....	....	....	....	....	....	....	....
5.—Venereal Diseases.													
Syphilis	13	1	....	....	....	....	....	....	....	....	....	....	14
Gonorrhoea, Stricture of Urethra . . . . .	....	....	....	....	....	....	....	....	....	....	....	....	....
6.—Septic Diseases.													
Erysipelas	2	1	....	....	....	1	....	3	....	....	....	....	7
Pyæmia, Septicæmia . . . . .	....	....	....	1	1	2	....	....	....	....	....	....	4
Puerperal Fever . . . . .	....	....	....	....	4	1	....	....	....	....	....	....	5
II.—Parasitic Diseases.													
Thrush . . . . .	....	....	....	....	....	....	....	....	....	....	....	....	....
Hydatids . . . . .	....	....	....	....	....	....	....	....	....	....	....	....	....
Other Animal Parasitical Diseases . . . . .	....	....	....	....	....	....	....	....	....	....	....	....	....
III.—Dietic Diseases.													
Starvation, want of Breast Milk . . . . .	....	....	....	....	....	....	....	....	....	....	....	....	....
Scurvy . . . . .	....	....	....	....	....	....	....	....	....	....	....	....	....
Chronic Alcoholism, Delirium Tremens . . . . .	....	....	....	....	1	1	1	1	1	....	....	....	5

TABLE III.—CONTINUED.

CAUSES OF DEATH.	0 to 1	1 to 5	5 to 15	15 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 to 75	75 to 85	85 to 95	95 and upwards	Totals
IV.—Constitutional Diseases.													
Rheumatic Fever and Rheumatism of the Heart			1										1
Rheumatism		1		1			1	2	2				7
Gout							2		1				3
Rickets	3	6											9
Cancer, Malignant Disease		1	1		2	14	20	29	19	6			92
Tabes Mesenterica	10	15	3										28
Tubercular Meningitis, Hydrocephalus ..	30	38	13	2		2	1		1				87
Phthisis	10	14	19	56	59	36	22	14	6				236
Other Tubercular and Scrofulous Diseases	6	6	3	3									18
Purpura, Hæmorrhagic Diathesis		2											2
Anæmia, Chlorosis, Leucocythæmia		1				1	1						3
Glycosuria, Diabetes Mellitus				1				2	2				5
Other Constitutional Diseases	4				1	2	1		1				9
V.—Developmental Diseases.													
Premature Birth	103												103
Atelectasis	2												2
Congenital Malformations	1												1
Old Age								3	28	71	16		118
VI.—Local Diseases.													
<i>1.—Diseases of Nervous System.</i>													
Inflammation of Brain or Membranes ..		1	2	2	1			1					7
Apoplexy			1	1	1	3	10	9	21	7	1		54
Softening of Brain							1	1		1			3
Hemiplegia						1	3	6	6	3			19
Brain Paralysis													
Insanity, General Paralysis of the Insane													
Epilepsy			1	1	4	2			1				9
Convulsions	61	14											75
Laryngismus Stridulus			1										1
Paralysis Agitans						1	5	3	1	2			12
Paraplegia						3		4	7	2			16
Diseases of Spinal Cord	3	1	3	1	1	1							10
Other Diseases of Nervous System	5	1	2		6	3	1	5	6	1			30
<i>2.—Diseases of Organs of Special Sense.</i>													
Ear, Diseases of		3					1	1					5
Eyes, „													
Nose, „													
<i>3.—Diseases of Circulatory System.</i>													
Endocarditis		1		1		1							3
Valvular Diseases of Heart				1	1		4	4	4				14
Pericarditis			1										1
Other Diseases of Heart	3	3	7	11	10	30	30	48	42	18	3		205
Aneurism					1	2	1	1	1				6
Embolism, Thrombosis						2							2
Other Diseases of Blood Vessels			1						1				2
<i>4.—Diseases of Respiratory System.</i>													
Croup	1	6	2					1					10
Laryngitis	1	5	2	2									10
Bronchitis	102	42	2		4	6	15	23	33	12			239
Pneumonia	49	64	9	8	8	13	18	14	12	3			198
Broncho-Pneumonia	27	40	4	1		1	4	2	1				80
Pleuro-Pneumonia	1							1	1	1			4
Pleurisy					2	1			1				4
Emphysema		2				1							3
Asthma								3	2				5
Other Diseases of Respiratory System ..	1	2	1	2	2	2		2	2				14
<i>5.—Diseases of Digestive System</i>													
Dentition	14	17											31
Sore Throat, Quinsey				1									1
Diseases of Stomach	4		1	2	3	3	3			1			17
Enteritis	15	5	1	2	1	1							25

TABLE III.—CONTINUED.

CAUSES OF DEATH.	0 to 1	1 to 5	5 to 15	15 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 to 75	75 to 85	85 to 95	95 and upwards	Totals
VI.—Local Diseases—contd.													
Peritonitis	2	10	8	5	6	4	...	2	1	...	...	...	38
Obstructive Diseases of Intestines ..	...	1	...	1	1	3	...	1	2	1	...	...	10
Ascites .. .. .	...	...	...	...	...	...	...	1	...	...	...	...	1
Cirrhosis of Liver .. .. .	...	1	...	...	...	3	5	2	1	...	...	...	12
Jaundice and other Diseases of Liver ..	6	...	...	1	4	3	1	4	2	1	...	...	22
Other Diseases of Digestive System ..	4	...	2	2	1	3	2	5	4	...	...	...	23
<i>6.—Diseases of Lymphatic System.</i>													
Lymphatics and of Spleen .. .. .	...	...	...	...	...	...	...	...	...	...	...	...	...
<i>7.—Diseases of Glandlike Organs of Uncertain Use.</i>													
Bronchocele .. .. .	...	...	...	...	...	...	...	...	...	...	...	...	...
Addison's Disease .. .. .	...	...	...	...	...	...	...	...	...	...	...	...	...
<i>8.—Diseases of Urinary System.</i>													
Nephritis	2	2	3	...	4	2	4	3	1	...	...	...	21
Bright's Disease, Albuminuria ..	...	1	...	1	4	1	5	8	2	2	...	...	24
Disease of Bladder .. .. .	...	...	...	...	...	...	1	...	1	...	...	...	2
" Prostate .. .. .	...	...	...	...	1	...	...	...	5	...	...	...	6
Other Diseases of the Urinary System ..	...	1	...	...	...	...	2	3	...	...	...	...	6
<i>9.—Diseases of Re-productive System.</i>													
<i>A—Of Organs of Generation.</i>													
Male Organs of Generation .. .. .	...	...	...	...	...	...	...	...	1	...	...	...	1
Female Organs .. .. .	...	...	...	...	...	...	...	...	...	...	...	...	...
<i>B—Of Parturition.</i>													
Abortion, Miscarriage .. .. .	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Convulsions .. .. .	...	...	...	2	2	...	...	...	...	...	...	...	4
Placenta Prævia, Flooding .. .. .	...	...	...	...	1	...	...	...	...	...	...	...	1
Other Accidents of Child Birth .. .. .	...	...	...	4	7	5	...	...	...	...	...	...	16
<i>10.—Diseases of Bones and Joints.</i>													
Caries, Necrosis .. .. .	...	1	...	1	...	...	1	2	...	...	...	...	5
Arthritis, Ostitis, Periostitis .. .. .	...	...	...	...	...	...	...	...	...	1	...	...	1
Other Diseases of Bones and Joints .. .. .	...	1	1	...	...	...	...	2	...	...	...	...	4
<i>11.—Diseases of Integumentary System.</i>													
Carbuncle .. .. .	...	...	...	...	...	...	...	1	...	...	...	...	1
Phlegmon .. .. .	...	...	...	...	...	...	...	...	...	...	...	...	...
Cellulitis .. .. .	...	...	...	...	2	...	1	...	...	...	...	...	3
Other Diseases of Integumentary System ..	1	...	...	...	1	...	...	...	...	...	...	...	2
VII.—Violence.													
<i>1.—Accident or Negligence.</i>													
Fracture and Contusion .. .. .	...	...	...	1	2	1	3	...	2	1	1	...	11
Gunshot Wound .. .. .	...	...	...	...	...	...	...	...	...	...	...	...	...
Cut, Stab .. .. .	...	...	...	...	...	...	1	...	...	...	...	...	1
Burn and Scald .. .. .	...	7	3	1	1	1	1	...	...	1	...	...	15
Poison	1	...	...	...	...	...	...	...	...	...	...	...	1
Drowning .. .. .	...	...	1	5	...	2	3	3	...	...	...	...	14
Suffocation	14	...	1	...	...	1	...	1	...	...	...	...	17
Otherwise .. .. .	...	1	1	1	2	1	3	1	1	1	...	...	12
<i>2.—Homicide</i> { Manslaughter .. .. .	...	...	...	...	...	...	...	...	...	...	...	...	...
{ Murder .. .. .	...	...	...	...	...	...	...	...	...	...	...	...	...
<i>3.—Suicide</i> .. .. .	...	...	...	1	1	2	3	2	...	...	...	...	9
VIII.—Deaths from Ill-defined Causes.													
Dropsy .. .. .	...	...	1	...	...	1	1	...	...	...	...	...	3
Debility, Marasmus, Atrophy, & Inanition	187	20	...	1	1	...	1	...	...	...	...	...	210
Mortification .. .. .	...	...	...	1	...	4	5	1	...	...	...	...	11
Tumour .. .. .	...	...	...	...	...	...	...	2	...	...	...	...	7
Abscess	3	1	...	...	1	...	...	1	...	...	...	...	5
Hæmorrhage .. .. .	...	...	...	...	...	2	1	1	...	1	...	...	5
Sudden Death .. .. .	...	...	1	...	...	...	1	2	1	...	...	...	5
Other Causes not Specified or Ill-defined ..	...	...	1	...	1	...	...	...	...	...	...	...	2
TOTALS	804	518	148	159	171	189	198	237	233	137	21	...	2815

SUMMARY OF TABLE III.

TOGETHER WITH SUMMARY OF SIMILAR TABLES FOR THE PRECEDING SIXTEEN YEARS.

NUMBER OF DEATHS.																		
	1878	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	
I.—SPECIFIC, FEBRILE, OR ZYMOTIC DISEASES :—																		
1.—Miasmatic Diseases.....	528	331	539	228	571	224	275	589	113	294	119	288	205	307	396	225	301	
2.—Diarrheal Diseases.....	204	73	209	90	129	85	150	82	194	111	59	170	132	128	81	258	114	
3.—Malarial Diseases.....	..	..	..	6	..	..	..	..	..	..	..	..	..	..	..	..	..
4.—Zoonenous Diseases.....	1	1	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..
5.—Venereal Diseases.....	14	11	10	14	22	25	11	17	20	15	5	19	12	9	20	21	14	
6.—Septic Diseases.....	7	13	20	22	28	20	14	30	14	14	16	17	24	16	9	12	16	
II.—PARASITIC DISEASES.....	3	1	3	2	1	1	1	1	1	..	2	..	..	..	..	..	..
III.—DIETIC DISEASES.....	10	5	8	11	10	6	6	4	6	6	5	7	20	13	7	9	5	
IV.—CONSTITUTIONAL DISEASES.....	354	360	366	326	454	410	425	392	395	373	380	514	481	517	482	479	500	
V.—DEVELOPMENTAL DISEASES.....	196	195	183	187	174	228	237	201	188	182	205	218	269	281	236	237	224	
VI.—LOCAL DISEASES :—																		
1.—Diseases of Nervous System.....	384	382	359	418	444	408	439	403	347	310	320	346	293	330	276	265	236	
2.—Diseases of Organs of Special Sense.....	1	1	1	1	2	..	2	1	2	3	..	2	2	2	3	1	5	
3.—Diseases of Circulatory System....	140	156	159	132	161	216	164	170	160	183	211	214	238	228	192	227	233	
4.—Diseases of Respiratory System....	428	429	461	486	534	528	532	572	513	472	514	631	788	734	551	580	567	
5.—Diseases of Digestive System.....	148	155	142	135	156	179	159	131	133	155	120	142	151	149	135	179	180	
6.—Diseases of Lymphatic System.....	1	1	..	1	..	..	2	..	1	..	..	..	..	1	..	..	..
7.—Diseases of Gland-like Organs of uncertain use.....	30	3	..	1	1	2	1	..	1	2	2	..	1	..	..	..	..
8.—Diseases of Urinary System.....	..	54	40	42	52	43	47	41	47	54	60	34	50	68	54	55	59	
9.—Diseases of Reproductive System :—																		
(a) Diseases of Organs of Generation.....																		
(b) Diseases of Parturition.....	10	..	..	4	13	8	7	6	8	1	3	5	3	3	5	1	1	
10.—Diseases of Bones and Joints.....	10	11	13	11	13	19	11	11	18	20	14	9	29	15	13	18	21	
11.—Diseases of Integumentary System.	8	..	..	..	11	17	15	11	7	9	11	9	10	11	12	16	10	
VII.—VIOLENCE :—	8	2	6	6	2	13	12	10	6	2	5	2	5	5	5	3	6	
1.—Accident or Negligence.....	76	70	79	63	83	273	82	65	61	68	85	102	86	68	85	79	71	
2.—Homicide.....	2	..	..	3	2	1	2	3	..	..	3	6	2	3	1	..	..
3.—Suicide.....	6	9	9	6	5	6	9	6	11	8	3	8	7	8	15	7	9	
VIII.—ILL-DEFINED AND NOT SPECIFIED CAUSES.....	295	244	293	241	267	249	285	231	233	267	233	320	331	373	277	351	243	
TOTALS.....	2864	2507	2901	2436	3146	2961	2888	2977	2479	2549	2375	3063	3140	3273	2774	3023	2815	

TABLE IIIA.
SHOWING THE DEATHS FROM ALL CAUSES REGISTERED IN
EACH DISTRICT DURING THE YEAR 1894,
AT THREE PERIODS OF LIFE.

[illegible]

TABLE IIIA.—CONTINUED.

CAUSES OF DEATH.	Sunderland.			Bishopwth North.			Bishopwth. South			Monkwearmouth.			Totals.
	Under 1.	1 to 5.	Over 5.	Under 1.	1 to 5.	Over 5.	Under 1.	1 to 5.	Over 5.	Under 1.	1 to 5.	Over 5.	
IV.—Constitutional Diseases.													
Rheumatic Fever and Rheumatism of the Heart						1							1
Rheumatism					1	4			2				7
Gout									1			2	3
Rickets	1	1						1		2	4		9
Cancer, Malignant Disease			11			32		1	26			22	92
Tabes Mesenterica	2	4	1	1	5		7	6	2				28
Tubercular Meningitis, Hydrocephalus ..	4	10	3	7	12	5	15	11	3	4	5	8	87
Phthisis	1	3	35	5	5	73	3	5	62	1	1	42	236
Other Tubercular & Scrofulous Diseases	1	3	1	3	2	5		1		2			18
Purpura, Hæmorrhagic Diathesis		1						1					2
Anæmia, Chlorosis, Leucocythæmia								1	1			1	3
Glycosuria, Diabetes Mellitus									4			1	5
Other Constitutional Diseases	2		2			2	1		1	1			9
V.—Developmental Diseases.													
Premature Birth	21			28			28			26			103
Atelectasis	1									1			2
Congenital Malformations													1
Old Age			17			29	1		40			32	118
VI.—Local Diseases.													
1.—Diseases of Nervous System.													
Inflammation of Brain or Membranes		1				3			1			2	7
Apoplexy			15			20			14			5	54
Softening of Brain						2			1				3
Hemiplegia			4			7			4			4	19
Brain Paralysis													
Insanity, General Paralysis of the Insane													
Epilepsy			1			2			4			2	9
Convulsions	12	1		14	5		12	3		23	5		75
Laryngismus Stridulus						1							1
Paralysis Agitans			1			3			5			3	12
Paraplegia			1			5			2			8	16
Diseases of Spinal Cord			2	2	1				1	1		3	10
Other Diseases of Nervous System				4		7	1		10		1	7	30
2.—Diseases of Organs of Special Sense.													
Ear, Diseases of					2				1		1	1	5
Eyes,													
Nose,													
3.—Diseases of Circulatory System.													
Endocarditis						1		1				1	3
Valvular Diseases of Heart						5			5			4	14
Pericarditis						1							1
Other Diseases of Heart	1	3	32	2		69			61			37	205
Aneurism			1			2			3				6
Embolism, Thrombosis			1									1	2
Other Diseases of Blood Vessels						2							2
4.—Diseases of Respiratory System.													
Croup			1		4	2		1		1	1		10
Laryngitis			1		1	1		2	1		2	1	10
Bronchitis	14	15	24	28	10	30	37	11	24	23	6	17	239
Pneumonia	5	8	13	21	26	31	19	20	24	4	10	17	198
Broncho-Pneumonia	5	5	5	6	8	5	4	10	3	12	17		80
Pleuro-Pneumonia			1	1					1			1	4
Pleurisy									4				4
Emphysema						1			1			1	3
Asthma						2			2			1	5
Other Diseases of Respiratory System ..						1			6	1	2	4	14
5.—Diseases of Digestive System.													
Dentition	6	4		1	1		4	7		3	5		31
Sore Throat, Quinsey									1				1
Diseases of Stomach			1			2			4	4		6	17
Enteritis				2	1	1	8	1	2	5	3	2	25

TABLE IIIA.—CONTINUED.

CAUSES OF DEATH.	Sunderland.			Bishopwth North.			Bishopwth South.			Monkwearmouth.			Totals.
	Under 1.	1 to 5.	Over 5.	Under 1.	1 to 5.	Over 5.	Under 1.	1 to 5.	Over 5.	Under 1.	1 to 5.	Over 5.	
VI.—Local Diseases—contd.													
Peritonitis	1		4		5	5	1	5	11			6	38
Obstructive Diseases of Intestines			1		1	2			3			3	10
Ascites									1				1
Cirrhosis of Liver		1				2			6			3	12
Jaundice and other Diseases of Liver	1			1		6	3		5	1		5	22
Other Diseases of Digestive System				4		9			8			2	23
6.— <i>Diseases of Lymphatic System.</i>													
Lymphatics and of Spleen													
7.— <i>Diseases of Glandlike Organs of Uncertain Use.</i>													
Bronchocele													
Addison's Disease													
8.— <i>Diseases of Urinary System.</i>													
Nephritis					1	5			10	2	1	2	21
Bright's Disease, Albuminuria			5			5			8		1	5	24
Disease of Bladder						1						1	2
" Prostate						2			1			3	6
Other Diseases of the Urinary System					1	2			2			1	6
9.— <i>Diseases of Re-productive System.</i>													
<i>A—Of Organs of Generation.</i>													
Male Organs of Generation						1							1
Female Organs													
<i>B—Of Parturition.</i>													
Abortion, Miscarriage													
Puerperal Convulsions									2			2	4
Placenta Prævia, Flooding												1	1
Other Accidents of Child Birth			6			5			4			1	16
10.— <i>Diseases of Bones and Joints.</i>													
Caries, Necrosis			2			1					1	1	5
Arthritis, Ostitis, Periostitis						1							1
Other Diseases of Bones and Joints			2		1				1				4
11.— <i>Diseases of Integumentary System.</i>													
Carbuncle						1							1
Phlegmon						2							
Cellulitis						1			1				3
Other Diseases of Integumentary System				1		1							2
VII.—Violence.													
1.— <i>Accident or Negligence.</i>													
Fracture and Contusion			3			1			3			4	11
Gunshot Wound													
Cut, Stab									1				1
Burn and Scald		1	2		3	2		3	2			2	15
Poison							1						1
Drowning			5			3			3			3	14
Suffocation	2			7		3	5						17
Otherwise					1	7			3			1	12
2.— <i>Homicide</i> { Manslaughter													
Murder													
3.— <i>Suicide</i>						1			5			3	9
VIII.—Deaths from Ill-defined Causes.													
Dropsy			2						1				3
Delirium, Marasmus, Atrophy, and In-													
anition	23	2	1	70	1		47	4	2	47	13		210
Mortification													
Tumour			1			5			5				11
Abscess			1		1		2		1	1		1	7
Hæmorrhage						4						1	5
Sudden Death			3						2				5
Other causes not specified or Ill-defined						2							2
TOTALS	127	96	226	252	147	493	236	158	462	189	117	312	2815

TABLE IIIb.

SHOWING THE DEATHS FROM ALL CAUSES REGISTERED IN
EACH QUARTER.

CAUSES OF DEATH.	1st Quarter.			2nd Quarter.			3rd Quarter.			4th Quarter.			Totals.
	Under 1.	1 to 5.	Over 5.	Under 1.	1 to 5.	Over 5.	Under 1.	1 to 5.	Over 5.	Under 1.	1 to 5.	Over 5.	
I.—Specific, Febrile, &c.	10	12	36	16	29	18	73	81	40	29	58	43	445
II.—Parasitic Diseases .. ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
III.—Dietic Diseases .. ..	.....	.....	2	.....	.....	1	.....	.....	1	.....	.....	1	5
IV.—Constitutional Diseases	16	19	103	13	19	87	18	21	92	16	25	71	500
V.—Developmental Diseases	22	.....	31	30	.....	26	21	.....	30	33	.....	31	224
VI.—Local Diseases	82	47	213	65	43	208	44	54	173	111	81	197	1318
VII.—Deaths from Violence	1	3	11	3	2	16	4	3	12	7	.....	18	80
VIII.—Deaths from Ill-defined Causes ..	57	9	11	24	5	4	54	2	7	55	5	10	243
TOTALS	188	90	407	151	98	360	214	161	355	251	169	371	2815
I.—Specific or Febrile Causes.													
1.—Miasmatic Diseases.													
Smallpox { Vaccinated .. ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Unvaccinated .. ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Unknown .. ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Measles .. ..	.....	1	.....	.....	12	4	11	38	4	8	36	5	119
Scarlet Fever (Scarlatina) .. ..	.....	3	7	1	3	2	.....	3	.....	2	1	3	25
Diphtheria .. ..	.....	3	.....	.....	.....	1	.....	1	.....	.....	1	.....	6
Whooping Cough	3	4	.....	6	12	1	10	13	1	4	11	.....	65
Typhus Fever .. ..	.....	.....	.....	.....	.....	.....	.....	.....	4	.....	.....	1	5
Enteric or Typhoid Fever .. ..	.....	1	17	.....	.....	3	.....	1	22	.....	.....	30	74
Simple Continued and Ill-defined Fever ..	.....	.....	1	.....	1	1	.....	.....	.....	.....	.....	1	4
Other Miasmatic Diseases .. ..	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
2.—Diarrhœal Diseases.													
Simple Cholera .. ..	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1
Diarrhœa, Dysentery	1	.....	2	4	1	2	49	24	9	14	7	.....	113
3.—Malarial Diseases.													
Remittent Fever .. ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ague .. ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4.—Zoogenous Diseases.													
Cowpox, Effects of Vaccination .. ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hydrophobia .. ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Glanders .. ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Splenic Fever .. ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5.—Venereal Diseases.													
Syphilis	5	.....	.....	4	.....	.....	3	.....	.....	1	1	.....	14
Gonorrhœa, Stricture of Urethra ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6.—Septic Diseases.													
Erysipelas	1	.....	3	1	.....	1	.....	.....	.....	.....	1	.....	7
Pyæmia, Septicæmia .. ..	.....	.....	2	.....	.....	1	.....	.....	.....	.....	.....	1	4
Puerperal Fever .. ..	.....	.....	1	.....	.....	2	.....	.....	.....	.....	.....	2	5
II.—Parasitic Diseases.													
Thrush .. ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hydatids .. ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other Animal Parasitical Diseases ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
III.—Dietic Diseases.													
Starvation, want of Breast Milk ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Scurvy .. ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chronic Alcoholism, Delirium Tremens ..	.....	.....	2	.....	.....	1	.....	.....	1	.....	.....	1	5

TABLE III.B.—CONTINUED.

CAUSES OF DEATH.	1st Quarter.			2nd Quarter.			3rd Quarter.			4th Quarter.			Totals.
	Under 1.	1 to 5.	Over 5.	Under 1.	1 to 5.	Over 5.	Under 1.	1 to 5.	Over 5.	Under 1.	1 to 5.	Over 5.	
IV.—Constitutional Diseases.													
Rheumatic Fever and Rheumatism of the Heart.. .. .			1										1
Rheumatism			1			2			2		1	1	7
Gout						2						1	3
Rickets	1	1		1	3		1	2					9
Cancer, Malignant Disease.. .. .			21			21		1	24			25	92
Tabes Mesenterica	3	3		2	4		3	2	3	2	6		28
Tubercular Meningitis, Hydrocephalus ..	9	9	3	6	10	4	9	8	8	6	11	4	87
Phthisis		4	71	1	1	53	5	4	52	4	5	36	236
Other Tubercular & Scrofulous Diseases	3	2	5	1		1		3		2	1		18
Purpura, Hæmorrhagic Diathesis								1			1		2
Anæmia, Chlorosis, Leucocythæmia					1							2	3
Glycosuria, Diabetes Mellitus			1			3			1				5
Other Constitutional Diseases				2		1			2	2		2	9
V.—Developmental Diseases.													
Premature Birth	19			30			21			33			103
Atelectasis	2												2
Congenital Malformations	1												1
Old Age			31			26			30			31	118
VI.—Local Diseases.													
1.—Diseases of Nervous System.													
Inflammation of Brain or Membranes		1	6										7
Apoplexy			13			11			9			21	54
Softening of the Brain						1			1			1	3
Hemiplegia			4			7			5			3	19
Brain Paralysis													
Insanity, General Paralysis of the Insane ..													
Epilepsy			3			2			1			3	9
Convulsions	16	3		15	3		7	3		23	5		75
Laryngismus Stridulus			1										1
Paralysis Agitans						3			7			2	12
Paraplegia			8						5			3	16
Diseases of Spinal Cord				1	1	2	2		3			1	10
Other Diseases of Nervous System			1	3		11			5	2	1	7	30
2.—Diseases of Organs of Special Sense.													
Ear, Diseases of		1			1	2		1					5
Eyes, „													
Nose, „													
3.—Diseases of Circulatory System.													
Endocarditis		1							1			1	3
Valvular Diseases of Heart.. .. .			4			7			3				14
Pericarditis						1							1
Other Diseases of Heart		1	53			46	1	1	51	2	1	49	205
Aneurism			1			1			1			3	6
Embolism, Thrombosis						2							2
Other Diseases of Blood Vessels			1									1	2
4.—Diseases of Respiratory System.													
Croup	1	1			1			1	2		3	1	10
Laryngitis		2	3		1			1	1	1	1		10
Bronchitis	29	7	22	20	8	27	8	6	17	45	21	29	239
Pneumonia	14	12	31	9	12	26	12	21	14	14	19	14	198
Broncho-Pneumonia	7	5	5	4	7	5	1	8	1	15	20	2	80
Pleuro-Pneumonia	1		1			2							4
Pleurisy			1						1			2	4
Emphysema		1			1	1							3
Asthma			1						2			2	5
Other Diseases of Respiratory System ..					1	4	1	1	3			4	14
5.—Diseases of Digestive System.													
Dentition	4	7		5	3		2	6		3	1		31
Sore Throat, Quinsey			1										1
Diseases of Stomach	2		5	1		3	1		2			3	17
Enteritis.. .. .	2	1	1	3	3	2	7	1	1	3		1	25

TABLE IIIB.—CONTINUED.

CAUSES OF DEATH.	1st Quarter.			2nd Quarter.			3rd Quarter.			4th Quarter.			Totals.
	Under 1.	1 to 5.	Over 5.	Under 1.	1 to 5.	Over 5.	Under 1.	1 to 5.	Over 5.	Under 1.	1 to 5.	Over 5.	
VI.—Local Diseases—contd.													
Peritonitis	1	1	10	1	1	4	....	3	7	....	5	5	38
Obstructive Diseases of Intestines .. .. .	....	....	4	....	....	2	....	....	....	....	1	3	10
Ascites .. .. .	....	....	....	....	....	1	....	....	....	....	....	....	1
Cirrhosis of Liver .. .. .	....	....	2	....	....	2	....	....	2	....	1	5	12
Jaundice and other Diseases of Liver	4	....	5	1	....	2	....	....	7	1	....	2	22
Other Diseases of Digestive System .. .. .	....	....	7	2	....	7	1	....	2	1	....	3	23
<i>6.—Diseases of Lymphatic System.</i>													
Lymphatics and of Spleen .. .. .	....	....	....	....	....	....	....	....	....	....	....	....	....
<i>7.—Diseases of Glandlike Organs of Uncertain Use.</i>													
Bronchocele .. .. .	....	....	....	....	....	....	....	....	....	....	....	....	....
Addison's Disease .. .. .	....	....	....	....	....	....	....	....	....	....	....	....	....
<i>8.—Diseases of Urinary System.</i>													
Nephritis .. .. .	....	1	4	....	....	7	1	....	2	1	1	4	21
Bright's Disease, Albuminuria .. .. .	....	1	3	....	....	8	....	....	4	....	....	8	24
Disease of Bladder .. .. .	....	....	....	....	....	1	....	....	1	....	....	....	2
,, Prostate .. .. .	....	....	1	....	....	....	....	....	4	....	....	1	6
Other Diseases of the Urinary System .. .. .	....	....	....	....	....	1	....	....	3	....	1	1	6
<i>9.—Diseases of Re-productive System.</i>													
<i>A—Of Organs of Generation.</i>													
Male Organs of Generation .. .. .	....	....	....	....	....	1	....	....	....	....	....	....	1
Female Organs .. .. .	....	....	....	....	....	....	....	....	....	....	....	....	....
<i>B—Of Parturition.</i>													
Abortion, Miscarriage .. .. .	....	....	....	....	....	....	....	....	....	....	....	....	....
Puerperal Convulsions .. .. .	....	....	....	....	....	1	....	....	1	....	....	2	4
Placenta Prævia, Flooding .. .. .	....	....	....	....	....	1	....	....	....	....	....	....	1
Other Accidents of Child Birth .. .. .	....	....	5	....	....	4	....	....	....	....	....	7	16
<i>10.—Diseases of Bones and Joints.</i>													
Caries, Necrosis .. .. .	....	1	1	....	....	....	....	....	1	....	....	2	5
Arthritis, Ostitis, Periostitis .. .. .	....	....	1	....	....	....	....	....	....	....	....	....	1
Other Diseases of Bones and Joints .. .. .	....	....	1	....	....	....	....	1	2	....	....	....	4
<i>11.—Diseases of Integumentary System.</i>													
Carbuncle .. .. .	....	....	....	....	....	....	....	....	....	....	....	1	1
Phlegmon .. .. .	....	....	....	....	....	....	....	....	....	....	....	....	....
Cellulitis .. .. .	....	....	3	....	....	....	....	....	....	....	....	....	3
Other Diseases of Integumentary System	1	....	....	....	....	....	....	....	1	....	....	....	2
VII.—Violence.													
<i>1.—Accident or Negligence.</i>													
Fracture and Contusion .. .. .	....	....	3	....	....	2	....	....	....	....	....	6	11
Gunshot Wound .. .. .	....	....	....	....	....	....	....	....	....	....	....	....	....
Cut, Stab .. .. .	....	....	....	....	....	1	....	....	....	....	....	....	1
Burn and Scald .. .. .	....	2	4	....	1	1	....	3	2	....	....	1	15
Poison .. .. .	....	....	....	....	....	....	....	....	....	1	....	....	1
Drowning .. .. .	....	....	1	....	....	5	....	....	5	....	....	3	14
Suffocation	1	....	....	3	....	1	4	....	1	6	....	1	17
Otherwise .. .. .	....	....	....	....	1	4	....	....	3	....	....	4	12
<i>2.—Homicide</i> { Manslaughter .. .. .	....	....	....	....	....	....	....	....	....	....	....	....	....
Murder .. .. .	....	....	....	....	....	....	....	....	....	....	....	....	....
<i>3.—Suicide</i> .. .. .	....	....	3	....	....	2	....	....	1	....	....	3	9
VIII.—Deaths from Ill-defined Causes.													
Dropsy .. .. .	....	....	1	....	....	....	....	....	1	....	....	1	3
Debility, Marasmus, Atrophy, and In- anition	57	8	1	24	5	....	52	2	2	54	5	....	210
Mortification .. .. .	....	....	1	....	....	2	....	....	2	....	....	6	11
Tumour .. .. .	....	....	....	....	....	....	....	....	....	....	....	....	....
Abscess .. .. .	....	1	....	....	....	....	2	....	1	1	....	2	7
Hæmorrhage .. .. .	....	....	2	....	....	1	....	....	1	....	....	1	5
Sudden Death .. .. .	....	....	4	....	....	1	....	....	....	....	....	....	5
Other Causes not specified or Ill-defined .. .. .	....	....	2	....	....	....	....	....	....	....	....	....	2
TOTALS	188	90	407	151	98	360	214	161	355	251	169	371	2815

TABLE IIIc.

SHOWING THE DEATHS FROM ALL CAUSES FOR FIFTEEN YEARS, 1880-94.

CAUSES OF DEATH.	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894
I.—Specific or Febrile Causes.															
<i>1.—Miasmatic Diseases.</i>															
Smallpox { Vaccinated				13	23	2			1						
Unvaccinated				13	30	5								1	
Unknown			1	26	31	10								4	
Measles	99	3	191	16	7	385	4	168	4	126	19	148	121	17	119
Scarlet Fever (Scarlatina)	312	145	168	38	46	106	27	17	19	38	72	26	20	26	25
Diphtheria	3	8	13	18	13	12	5	7	16	19	11	8	8	5	6
Whooping Cough	73	40	106	22	95	32	51	59	46	68	52	40	99	23	65
Typhus Fever	15	5	34	41	11	16	7	7	7	8	6	6	7	18	5
Enteric or Typhoid Fever	27	22	42	33	13	16	13	30	20	28	35	37	48	108	74
Simple Continued and Ill-defined Fever	10	5	11	4	4	4	6	6	6	1	4	12	5	9	4
Influenza												30	7	14	3
Other Miasmatic Diseases						1					6				
<i>2.—Diarrhoeal Diseases.</i>															
Simple Cholera			4	2		1				1	1	1	1		1
Diarrhoea, Dysentery	209	90	125	83	150	81	194	111	59	169	132	127	80	258	113
<i>3.—Malarial Diseases.</i>															
Remittent Fever		5													
Ague		1													
<i>4.—Zoogenous Diseases.</i>															
Cowpox, Effects of Vaccination	1		1												
Hydrophobia															
Glanders															
Splenic Fever															
<i>5.—Venereal Diseases.</i>															
Syphilis	8	14	21	22	11	17	20	14	5	16	12	9	18	17	14
Gonorrhœa, Stricture of Urethra	2		1	3				1		3			2	4	
<i>6.—Septic Diseases.</i>															
Erysipelas	9	6	19	15	9	13	8	7	6	6	14	7	2	10	7
Pyæmia, Septicæmia		3	3	3	2	7	2	4	4	6	5	5	1		4
Puerperal Fever	11	13	6	2	3	10	4	3	6	5	5	4	6	2	5
II.—Parasitic Diseases.															
Thrush	3	1	1		1	1	1		2						
Hydatids															
Other Animal Parasitical Diseases		1		1											
III.—Dietic Diseases.															
Starvation, Want of Breast Milk	4	4	2	2	3	1	3	1	2	1	3	5	5	4	
Scorvy												1			
Chronic Alcoholism, Delirium Tremens	4	7	8	4	3	3	3	5	3	6	17	7	2	5	5
IV.—Constitutional Diseases.															
Rheumatic Fever and Rheumatism of the Heart	4	5	5	6	5	4	2	4	2	3	2	8	4	3	1
Rheumatism	12	7	6	6	4	6	4	4	8	4	8	2	10	6	7
Gout		1		1											3
Rickets	1			1	3		2		1	4	1		7	8	9
Cancer, Malignant Disease	40	54	57	55	51	51	54	72	77	88	67	99	78	74	92
Tabes Mesenterica	34	23	42	22	40	23	19	27	19	34	32	21	19	32	28
Tubercular Meningitis, Hydrocephalus	40	29	50	37	38	43	34	25	37	91	91	99	104	84	87
Phthisis	224	183	247	236	227	212	237	203	191	235	239	218	212	203	236
Other Tubercular and Scrofulous Diseases	14	16	46	34	48	38	26	26	28	39	34	47	28	57	18

TABLE IIIc.—CONTINUED.

CAUSES OF DEATH.	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894
IV.—Constitutional Diseases. <i>(continued)</i>															
Purpura, Hæmorrhagic Diathesis .. .. .	....	1	1	1	1	1	1	1	....	3	1	4	2	1	2
Anæmia, Chlorosis, Leucocythæmia	5	1	5	3	3	7	9	6	9	6	2	9	7	6	3
Glycosuria, Diabetes Mellitus	2	6	4	8	5	7	7	4	8	7	4	8	11	4	5
Other Constitutional Diseases .. .. .	....	....	1	....	....	....	....	1	....	....	....	2	....	1	9
V.—Developmental Diseases.															
Premature Birth	69	65	68	88	75	60	60	51	66	66	92	91	83	73	103
Atelectasis	1	2	3	7	3	6	....	1	2	1	3	....	6	3	2
Congenital Malformations	6	9	6	5	6	6	3	7	5	6	5	1	11	5	1
Old Age	107	111	97	128	153	129	125	123	132	145	169	189	136	156	118
VI.—Local Diseases.															
<i>1.—Diseases of Nervous System.</i>															
Inflammation of Brain and Membranes ..	77	83	100	87	90	90	90	92	96	86	48	43	29	49	7
Apoplexy	40	61	47	61	62	53	50	41	42	54	35	74	64	54	54
Softening of Brain	2	10	11	24	8	6	7	11	3	14	9	7	8	7	3
Hemiplegia .. .. .	....	....	4	6	10	16	16	11	14	10	10	20	12	13	19
Brain Paralysis .. .. .	....	....	....	2	....	1	....	1	....	1	1	....	....	....	....
Idiocy, General Paralysis of the Insane ..	5	....	5	....	....	1	....	....	....	....	....	1	1	....	....
Epilepsy	5	13	13	10	10	15	5	8	6	7	10	15	20	9	9
Convulsions	136	151	167	121	167	138	102	95	95	103	110	103	95	85	75
Tetanus Stridulus	1	....	2	2	2	....	1	1	1	2	2	2	....	....	1
Tetanus Agitans .. .. .	....	....	....	....	....	....	....	1	....	1	....	1	1	....	12
Paraplegia	84	90	61	55	48	46	59	34	44	62	65	57	38	41	16
Diseases of Spinal Cord	5	10	4	2	3	7	....	1	2	3	2	1	2	1	10
Other Diseases of Nervous System	4	....	30	38	39	30	17	14	17	6	1	6	6	6	30
<i>2.—Diseases of Organs of Special Sense.</i>															
Ear, Diseases of	1	1	1	....	2	1	2	2	....	2	2	2	3	1	5
Eyes, .. .. .	....	....	1	....	....	....	....	1	....	....	....	....	....	....	....
Nose, .. .. .	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
<i>3.—Diseases of Circulatory System.</i>															
Endocarditis	2	3	3	....	....	1	1	2	2	2	2	1	....	4	3
Valvular Disease of Heart .. .. .	....	....	13	15	31	18	12	12	3	14	16	21	25	22	14
Pericarditis	8	4	8	14	9	5	7	3	7	5	3	....	4	1	1
Other Diseases of the Heart	144	117	129	174	111	135	135	159	187	182	200	193	153	184	205
Aneurism	5	9	1	4	6	3	2	3	7	6	7	3	6	10	6
Embolism, Thrombosis .. .. .	....	1	1	2	2	3	2	2	1	2	3	6	3	2	2
Other Diseases of Blood Vessels .. .. .	....	1	6	7	5	5	1	2	4	3	7	4	1	4	2
<i>4.—Diseases of Respiratory System.</i>															
Croup	20	29	32	34	37	23	21	19	24	19	9	14	12	15	10
Laryngitis	10	7	12	12	11	10	7	15	9	7	13	7	8	10	10
Bronchitis	256	280	249	285	282	324	314	235	248	305	400	399	266	260	239
Pneumonia	142	153	181	156	172	185	138	142	193	230	305	224	178	222	198
Broncho-Pneumonia	19	....	16	....	12	16	18	50	26	53	45	64	68	55	80
Pleuro-Pneumonia	2	....	1	....	3	....	....	4	2	6	7	5	7	1	4
Pleurisy	8	7	3	11	3	5	3	1	4	5	4	8	5	8	4
Emphysema .. .. .	....	....	3	6	2	1	1	1	2	1	....	2	1	2	3
Asthma	2	5	6	6	2	2	8	2	2	4	4	6	4	4	5
Other Diseases of Respiratory System ..	2	5	31	18	8	6	3	3	4	1	1	5	2	3	14
<i>5.—Diseases of Digestive System.</i>															
Dyspepsia	32	20	41	33	27	32	23	18	19	31	28	30	24	26	31
Sore Throat, Quinsey .. .. .	....	....	2	2	1	2	1	3	1	1	1	....	....	2	1
Diseases of Stomach	15	7	13	17	5	13	18	15	16	15	24	10	20	20	17
Enteritis .. .. .	....	....	15	17	16	10	8	12	8	16	7	30	20	45	25
Peritonitis	8	18	17	24	28	16	15	32	28	23	21	22	19	30	38
Obstructive Diseases of Intestines	16	23	20	13	11	13	16	10	8	9	18	12	9	7	10
Ascites .. .. .	....	....	1	1	1	1	1	2	....	1	1	....	....	1	1
Cirrhosis of Liver	12	9	9	23	19	11	24	18	14	14	17	11	10	13	12
Jaundice and other Diseases of Liver ..	38	33	29	35	24	24	17	30	19	25	18	13	18	20	22
Other Diseases of Digestive System	21	29	9	14	27	9	10	15	7	7	16	21	15	15	23

TABLE IIIc —CONTINUED.

CAUSES OF DEATH.	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893
VI.—Local Diseases—contd.														
6.— <i>Disease of Lymphatic System.</i>														
Lymphatics and of Spleen		1			2		1					1		
7.— <i>Diseases of Glandlike Organs of Uncertain Use.</i>														
Bronchocele				2	1									
Addison's Disease		1	1				1	2	2		1			
8.— <i>Diseases of Urinary System.</i>														
Nephritis	25	17	23	14	20	8	18	26	22	15	18	28	22	31
Bright's Disease, Albuminuria	7	12	11	14	10	20	14	13	28	15	16	18	20	20
Disease of Bladder	2	4	4	4	2	6	6	10	2	3	7	11	5	2
„ Prostate	4	...	4	2	3	1	4	1	2	1	2	2	2	1
Other Diseases of the Urinary System ..	2	9	10	9	12	6	5	4	6	...	7	9	5	1
9.— <i>Diseases of Re-productive System.</i>														
A— <i>Of Organs of Generation.</i>														
Male Organs of Generation			1		1							2		
Female Organs „		4	12	8	6	6	8	1	3	5	2	1	5	1
B— <i>Of Parturition.</i>														
Abortion, Miscarriage	2	...	...	1	1	...	...	1	...	...	1	...	1	...
Puerperal Convulsions	1	3	1	1	4	2	4	2	2	1	1	2	...	...
Placenta Prævia, Flooding .. .. .	...	1	4	1	1	...	1	3	2	1	1	...	2	1
Other Accidents of Child Birth	10	7	8	16	5	9	13	14	10	7	27	13	10	15
10.— <i>Diseases of Bones and Joints.</i>														
Caries, Necrosis			3	3	7	4	2	2	2	3	1	4	3	4
Arthritis, Ostitis, Periostitis .. ..			...	1	...	1	...	1	...	...	1	5	1	1
Other Diseases of Bones and Joints			8	13	6	6	5	6	9	6	8	2	8	11
11.— <i>Diseases of Integumentary System.</i>														
Carbuncle	4	...	...	1	1	...	2	1	1	1	...	3	1	...
Phlegmon														
Cellulitis			1	2	1	3	1	...	2	...	5	1	2	2
Other Diseases of Integumentary System..	2	6	1	8	7	5	3	1	2	1	...	1	2	1
VII.—Violence.														
1.— <i>Accident or Negligence.</i>														
Fracture and Contusion	44	35	47	38	42	34	28	39	33	53	46	29	29	36
Gunshot Wound								1						
Cut, Stab				2	1	...				1		1		2
Burn and Scald	11	12	6	11	11	14	9	13	14	15	8	14	25	13
Poison			2	...	2	...			1	7	3	3	3	4
Drowning	16	7	6	20	14	7	14	10	17	10	19	11	15	9
Suffocation	7	9	2	*192	12	8	5	4	15	14	8	8	12	10
Otherwise	1	...	10	10	...	2	5	1	5	2	2	6	1	5
2.— <i>Homieide</i> { Manslaughter														
{ Murder														
3.— <i>Suicide</i>														
VIII.—Deaths from ill-defined Causes.														
Dropsy	16	13	7	7	2	6	2	2	2	4	4	7	...	2
Debility, Marasmus, Atrophy, & Inanition	238	189	226	217	259	196	193	218	193	287	279	314	239	282
Mortification	4	7	...	...	...	...	...	...	...	...	1	...	1	...
Tumour	4	2	...	1	2	1	5	6	5	3	5	5	6	8
Abscess	7	7	3	2	3	1	7	7	12	2	13	9	6	10
Hæmorrhage	3	6	...	2	1	2	4	7	2	7	11	11	9	22
Sudden Death .. .. .	...	...	5	1	2	3	4	5	5	...	...	2	3	5
Other Causes not specified or Ill-defined ..	21	17	26	21	24	24	18	22	14	17	18	25	13	22
TOTALS	2901	2436	3146	2961	2888	2977	2479	2549	2375	3063	3140	3273	2774	3023

* 183 Caused by Victoria Hall Disaster.

TABLE IV.

Showing the number of DEATHS AT ALL AGES in 1894, from certain groups of Diseases, and proportions to 1000 of Population and to 1000 Deaths from all causes ; also the number of Deaths of INFANTS UNDER ONE YEAR OF AGE from other groups of Diseases, and proportions to 1000 Births and 1000 Deaths from all causes under one year.

DIVISION I. (All Ages.)	Total Deaths.	Deaths per 1000 of Population at all ages.	Deaths per 1000 of Total Deaths at all ages.
1.—Principal Zymotic Diseases	415	3·05	147·1
2.—Pulmonary Diseases	449	3·20	159·5
3.—Principal Tubercular Diseases...	291	2·13	103·3
DIVISION II. (Infants Under 1 Year.)	Total Deaths.	Deaths per 1000 of Births.	Deaths per 1000 of Total Deaths under One Year.
4.—Wasting Diseases	313	65·8	388·0
5.—Convulsive Diseases	193	40·5	240·0

NOTES.

- 1.—Includes Smallpox, Measles, Scarlet Fever, Diphtheria, Whooping Cough, Typhus Enteric (or Typhoid) and Simple Continued Fevers, and Diarrhœa.
- 2.—Includes Bronchitis, Pneumonia, Pleurisy, Emphysema, and Asthmâ.
- 3.—Includes Phthisis, Scrofula, Tuberculosis, Rickets, and Tabes.
- 4.—Includes Marasmus, Atrophy, Debility, Want of Breast Milk, and Premature Birth.
- 5.—Includes Hydrocephalus, Infantile Meningitis, Convulsions, and Teething.

TABLE V.

Showing the number of Deaths and Death-Rates from the PRINCIPAL ZYMOTIC DISEASES in the 10 Years—1884 to 1893,
and in the Year 1894.

DISEASES, ETC.	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	Annual Average Number of Deaths in 10 Years,* 1884-93.	Proportion of Deaths to 1000 Deaths in 10 Years, 1884-93.	Total Deaths in 1894.	Proportion of Deaths to 1000 Deaths in 1894.
Smallpox	84	17	...	...	1	...	...	...	...	5	10·7	3·39	...	...
Measles.....	9	385	4	168	4	126	19	148	121	17	100·1	35·07	119	42·2
Scarlet Fever	46	106	27	17	19	38	72	26	20	26	3·97	13·90	25	8·8
Diphtheria	13	12	5	7	16	19	11	8	8	5	1·04	3·64	6	2·5
Whooping Cough ...	95	32	51	59	46	68	52	40	99	23	5·65	19·79	65	23·0
Typhus	11	16	7	7	7	8	6	6	7	18	0·83	29·07	5	1·7
Enteric	13	16	13	30	20	28	35	37	48	108	3·48	12·19	74	26·2
Simple Continued or Ill-defined...	4	4	6	6	6	1	4	12	5	9	5·7	1·99	4	1·4
Diarrhœa	150	82	194	111	59	170	133	128	81	258	136·6	48·21	113	40·1
Total	425	670	307	405	178	458	332	405	389	469	268·07	167·25	411	145·9
Zymotic Death-rates	3·51	5·47	2·47	3·23	1·40	3·57	2·55	3·08	2·92	3·48	3·16	...	3·04	...

* If the decimal points be removed, and the numbers read as whole numbers, the figures in this column will give the actual number of deaths from each disease for 10 years.

TABLE VI.

Showing the DEATHS registered in the Borough during the Year 1894, together with the DISTRICTS in which they occurred, the QUARTERS in which they were registered, &c.

DISTRICTS.	Estimated Population.	First Quarter.		Second Quarter.		Third Quarter.		Fourth Quarter.		Totals.		Totals.	Rate per 1000. 1893.
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.		
Sunderland (Sub-District)	14,283	46	44	51	49	69	67	62	61	228	221	449	31·89
Bishopwearmouth North	42,797	107	116	97	101	121	94	140	116	465	427	892	22·53
Bishopwearmouth South	48,922	101	97	84	96	126	114	120	118	431	425	856	17·49
Monkwearmouth	30,099	78	96	74	57	73	66	91	83	316	302	618	24·11
Whole Borough	136,101	332	353	306	303	389	341	413	378	1,440	1,375	2,815	22·47
Totals	136,101	685		609		730		791		2,815		2,815	22·47
Death-Rates .....	...	21·13		17·90		21·71		23·24		20·68		...	...

TABLE VII.

OCCUPATION OF PERSONS, 20 Years of Age and upwards, who died from the undermentioned Diseases during 1894.

(Given as accurately as the Mortality Returns allowed.)

Occupations.	Smallpox.	Enteric Fever.	Typhus Fever.	Heart Disease.	Phthisis.	Pneumonia.	Apoplexy.	Paralysis.	Cancer.	Totals.
Accountant.....	1	1
Baker	1	1
Basket Maker	1	..	..	..	..	1
Barmen	2	..	..	1	..	..	..	..	3
Blacksmiths	1	1	6	1	3	..	..	2	14
Blacksmiths' Strikers	3	..	..	..	..	..	3
Boatbuilder.....	1	..	..	..	..	..	1
Boiler Makers	1	..	1	..	1	..	..	2	5
Bottle Makers	2	..	2	..	..	4
Brassfounder	1	..	..	..	..	..	1
Bricklayers	1	..	1	..	1	..	..	1	4
Brickmaker.....	1	..	..	1
Builders	1	..	..	1	1	..	3
Butchers	1	..	1	5	1	1	..	..	9
Cabinet Makers	1	1	..	..	..	..	2
Cabman	1	..	..	..	1
Caretaker	1	..	..	..	..	..	1
Cartmen	1	1	2	..	1	..	5
Cellarman	1	..	..	1
Cement Works Manager	1	..	..	..	..	..	1
Chemists	2	..	1	1	..	..	..	..	4
Chimney Sweep.....	1	..	..	..	..	1
Clerks	2	5	..	..	..	..	7
Coal Trimmers	2	2	..	2	..	..	6
Commercial Travellers	1	1	..	..	2
Cooper.....	1	..	1
Craneman	1	1
Cutter and Caulker	1	..	..	..	..	..	..	..	1
Customs Officer	1	..	..	..	..	..	1
Drapers	1	..	1	..	..	..	..	..	2
Drayman.....	1	..	..	..	..	1
Drillers	2	1	..	..	..	..	3
Engine Fitters	2	..	3	8	1	2	..	..	16
Engine Turner	1	..	..	..	..	..	..	..	1
Engine Works Manager	1	..	..	1
Estate Agent	1	..	..	..	..	..	1
Farmer	1	..	..	..	..	..	1
Firemen	3	2	..	..	..	..	5
File Cutter	1	..	..	..	..	..	..	..	1
Fisherman	1	..	..	..	..	..	1
Flour Merchant.....	1	..	..	..	..	1
Forgeman	1	..	..	..	..	..	1
Fruiterer	1	..	..	..	1
Gardener.....	1	..	..	..	1
General Dealer	1	..	..	..	..	..	1
Glass Maker	1	..	..	..	..	..	1
Glaziers	1	..	..	..	..	1	2

TABLE VII.—CONTINUED.

Occupations.	Smallpox.	Enteric Fever.	Typhus Fever.	Heart Disease.	Phthisis.	Pneumonia.	Apoplexy.	Paralysis.	Cancer.	Totals.
Grocers	1	5	...	1	...	...	7
Groom	1	...	...	...	...	1
Hatter...	1	...	...	...	...	...	...	...	1
Hawkers	2	...	2	1	...	...	...	...	5
Holder-up	1	...	...	...	...	...	1
Horse Shoer	1	...	...	...	...	1
House Agent	1	...	...	...	...	...	...	...	1
House Proprietor	1	...	...	...	...	...	1
Insurance Agents	1	...	3	...	1	...	...	...	5
Ironmongers	1	1	...	...	...	...	2
Joiners.....	...	2	...	6	6	1	...	1	1	17
Labourers	4	...	16	20	5	7	1	5	58
Licensed Victuallers.....	1	...	...	...	1	2
Lodging House Keeper.....	1	...	...	1
Machine Agent	1	...	...	1
Malster	1	...	...	...	...	1
Marine Engineer	1	...	...	...	...	1
Masons	1	...	...	1	...	1	...	...	3
Mattress Maker.....	...	1	...	...	...	...	...	...	...	1
Miller	1	...	...	...	...	1
Millwright	1	...	...	...	...	...	1
Miners	3	3	...	...	...	6
Minister of the Gospel	1	...	...	...	...	...	1
Moulders.....	1	2	1	...	...	...	4
Musical Instrument Maker.....	1	...	...	...	...	...	1
Naval Pensioner	1	...	...	1
No Occupation	1	...	...	1
Painters	1	1	1	...	...	...	3
Paper Agent	1	...	...	1
Paper Maker	1	...	...	...	...	1
Pattern Maker	1	...	...	...	...	...	1
Photographer.....	1	1
Pilots	1	...	1	...	...	...	...	1	3
Pipemaker	1	...	...	...	...	1
Plasterer.....	1	...	...	...	...	1
Platelayer	1	...	...	...	1
Platers.....	...	2	...	2	2	...	1	...	...	7
Plumbers.....	2	1	...	...	...	...	3
Pointsman	1	...	...	...	1
Police Inspector.....	1	1
Policeman	1	...	...	1
Potter	1	...	...	...	...	...	1
Puddler	1	1
Quarryman	1	1
Riggers	1	...	1	...	...	...	...	...	2
Rivetters.....	...	2	...	4	5	2	...	...	...	13
Ropemaker	1	...	...	...	...	1
Sail Makers	3	...	...	...	...	...	3
Salesman	1	...	...	...	...	...	1
Sanitary Inspector.....	1	1
Sawyer	1	...	...	...	...	...	1
School Teacher	1	...	...	...	1

TABLE VII.—CONTINUED.

Occupations.	Smallpox.	Enteric Fever.	Typhus Fever.	Heart Disease.	Phthisis.	Pneumonia.	Apoplexy.	Paralysis.	Cancer.	Totals.
Seamen	6	4	4	3	...	2	19
Shipbroker	1	...	...	...	...	1
Shipowners.....	1	1	1	...	...	1	4
Shipwrights	1	...	3	3	3	2	2	1	15
Shoemakers	2	...	...	1	...	...	3
Stokers	1	1	...	...	...	1	3
Storekeeper	1	...	...	...	...	1
Surgeon	1	...	...	...	...	1
Tailors	1	2	...	...	...	1	4
Tallow Chandler	1	...	...	...	...	1
Tanner.....	1	1
Tax Collector	1	...	...	...	...	...	1
Timber Measurer	1	...	...	...	...	...	1
Timber Merchant	1	...	...	...	...	...	1
Timekeeper.....	1	...	...	...	...	1
Upholsterers	2	...	...	...	...	...	2
Watch Makers	1	1	...	1	...	...	3
Watermen	1	...	...	...	1	2
Well-Borer	1	...	...	...	...	...	...	...	1
Whiting Manufacturer.....	1	...	...	...	...	...	1
Totals	35	1	115	110	38	35	7	30	371
Females	12	1	86	56	47	15	4	54	275
Grand Totals	47	2	201	166	85	50	11	84	646

TABLE VIII.

STREETS in which ZYMOTIC DISEASES were known to have occurred in the
Year 1894.

SUNDERLAND (SUB-DISTRICT).

Street.	Smallpox.	Enteric Fever.	Typhus Fever.	Continued Fever.	Scarlet Fever.	Measles.	Diphtheria.	Whooping Cough.	Diarrhoea.	Removed to Hospital	Deaths.
Back High Street East	1	...	...	...	...	...	...	...	1	...
Back North Moor street	1	...	...	...	...	...	...	...	1	...
Back Nesham square	1	2	...	...	...	...	1
Bank street.....	3	...	...	1	...	1
Barracks, The	2	...	...	...	...	...
Blue Anchor yard	1	...	...	...	...	...	...	...	1	...
Brewery yard	1	...	...	...	...	...	...	...	...	...
Bull open	1	...	...	...	...	1
Burdon lane	1	...	...	...	1	...	...
Burleigh street	5	...	2	...	11	...	...	2	4	2
Church street	2	...	...	...	...	...	...	...	2	...
Church walk	3	...	...	1	...	2
Coast Guard, South Pier	1	...	...	...	...	1	...
Coronation street	1	...	...	...	...	1	1
Covent Garden street	3	...	...	...	3	...	...	...	3	2
Drury lane	5	...	...	...	...	...	...	...	2	1
Ettrick place	1	...	...	...	...	...	...
Fitters' row	5	...	2	...	...	5
Flag lane	1	...	...	...	3	...	1	...	...	2
George street	3	...	1	...	4	...	...	3	3	5
Golden alley	2	...	1	...	...	...	...	1	1	1
Grey street	1	...	...
Hartley street	3	11	...	1	...	2	3
Hat case	1	...	...	...	...	...	...	...	...	...
Flavelock gallery	1	...	...	...	5	...	...	...	...	...
Havelock street	2	...	...	...	...	...
High street East	2	...	...	4	8	...	...	2	2	3
Hodgskin street	1	...	...	...	...	...	...	...	...	...
James Williams street	1	1	...	...	...	1	...
Lombard street	1	...	1	...	...	...	...	1
Long bank	1	...	...	...	2	...	...	...	1	1
Low quay	3	...	...	...	1	...	...	...	1	1
Low street	1	...	...	2	...	...	...	...	3	...
Lucknow street.....	1	...	...	...	...	...
Maling's rigg	1	...	...	...	...	...
Minorca	1	...	...	...	...	1
Moorgate street	3	...	...	4	...	...	...	...	5	1
Nesham square	1	...	...	3	7	...	2	2	1	8
New Grey street	5	...	...	1	4	...	...	...	3	...
North Moor street	1	...	1	...	5	...	...	...	...	...
Northumberland place	3	5	...	...	1	3	3
Palin's passage	1	...	...	...	...	...	...	...	...	...
Pottery bank	1	...	1	...	1	...	...	...	2	1
Prospect row	4	...	...	...	...	...	...	...	...	...
Queen street	4	...	...	...	...	4	...
Sans street	3	...	...	2	...	3	2
Silver street	1	...	1	...	12	...	...	2	1	3
South alley	1	...	...	...	...	1
South Dock.....	1	...	...	...	...	...	...	...	...	1	...
Spring Garden lane	1	1	1	...	...	...	...	...	2	...

TABLE VIII.—CONTINUED.

Street.	Smallpox.	Enteric Fever.	Typhus Fever.	Continued Fever.	Scarlet Fever.	Measles.	Diphtheria.	Whooping Cough.	Diarrhoea.	Removed to Hospital	Deaths.
Stafford street	2	8	...	...	1	...	1
Stone yard	1	...	...	...	...	...	...	...	...	1
Thomas street	4	...	...	...	4	...	...	...	...	1
Thornhill gallery	2	...	...	...	...	..
Trinity place	4	...	...	1	...	...
Vine street	9	...	...	...	11	...	...	1	5	2
Vine street open	1	...	...	...	...	...
Warren street	2	...	...	...	...	...

BISHOPWEARMOUTH NORTH DISTRICT.

Street.	Smallpox.	Enteric Fever.	Typhus Fever.	Continued Fever.	Scarlet Fever.	Measles.	Diphtheria.	Whooping Cough.	Diarrhoea.	Removed to Hospital	Deaths.
Ailesbury street	1	1	...	...	...	...	...
Aiskell street South	1	...	...	...	...	1	...
Albert street	1	1	1	...	1	1	1	3
Alderson street	5	...	...	1	6	...	...	...	2	1
Alexandra terrace	1	...	...	2	...	...	...	...	1	...
Allonby street	1	...	...
Ancona street	1	3	...	...	...	...	...	...
Anne street	1	4	...	...	...	...	...
Armitage street	3	...	...	1	...	...	...	...	...	...
Aylmer street	2	...	...	...	...	...	...	...	1	...
Ayre's quay road	1	1	...	...	...	...	1	...
Ayre's quay street	2	...	2	1	4	...	...	...	3	2
Ayre's bottle works	1	...	...	...	...	1	...
Back Bedford street	1	...	...	...	...	...	...
Back Crescent row	1	...	...	...	10	...	...	1	...	1
Back Duke street	1	...	...	1
Back Farrington row	2	...	...	...	...	...	...
Back Harrison street	4	...	...	...	...	...
Back Hedley street	1	...	...	...	4	...	...	...	1	...
Back Hopper street	2	...	...	3	...	...	...	...	3	...
Back Mount Pleasant	1	...	...	...	...	...	...	...	1	...
Back Sydenham place	1	...	...	...	...	1	...
Back William street	1	...	...	1
Back Wilson street	1	...	...	...	...	...	...	...	...	...
Beach street	1	...	...	2	6	...	...	...	2	...
Bell street	1	...	...	...	6	...	2	...	1	2
Booth street	3	...	1	...	...	1
Brady street	3	...	1	...	1	1
Carrol street	1	...	...	1	...	...	...	...	1	...
Castle street	1	...	...	...	...	1
Catherine street	2	...	...	...	...	...	...	...	1	...
Cecil street	2	...	...	...	2	...	2
Charles street	2	...	...	1	...	...	...	...	2	..
Chester oval	1	...	...	...	...	...	...

TABLE VIII.—CONTINUED.

Street.	Smallpox.	Enteric Fever.	Typhus Fever.	Continued Fever.	Scarlet Fever.	Measles.	Diphtheria.	Whooping Cough.	Diarrhoea.	Removed to Hospital	Deaths.
Cleveland road	1	...	...	1	...	...	...	...	...	...
Chester street	2	...	...	...	...	...	...
Chester street East	1	...	...	...	...	...	...
Chester street West	1	...	...	...	...	...	...
Chester terrace	2	...	...	2	...	...	...	...	...	...
Chepstow street	2	...	...	...	...	...	...	...	1	...
Church street West	1	...	...	...	1	...	2	1	1	3.
Cirencester street	1	1	1	...	...	...	...	2	2
Clanny street	4	...	...	5	...	...	...	...	2	...
Clazey terrace	1	1	...	...	...	...	...	...
Cleveland road	1	...	...	1	...	...	...	...	...	...
Close street	1	...	...	...	...	...	...	...
Coatesworth street	1	...	...	...	...	...	1	...
Collier row	2	...	...	...	...	...	...	...	2	1
Copperas bank	1	...	...	...	...	...	...	...
Crescent row	4	...	2	3	11	...	...	...	...	...
Croft avenue	7	...	...	...	...	3	1
Cromwell street	1	...	...	1	1	...	...	...	...	...
Cross Farrington row	3	1	...	...	...	3	...
Cross Green street	1	...	...	...	...	1	...
Cumberland street	1	...	2	...	...	...	...	2
Dene street	1	...	...	...	...	...	...
Deptford hall	1	...	...	...	...	...	...
Deptford road	4	...	...	...	...	1
Deptford terrace	7	...	...	...	...	...
Deptford yard	1	...	...	...	...	1
Diamond hall	1	...	...	1	...	1
Diamond hall look-out	1	...	...	...	...	...	...	...	...	...
Dock terrace	1	...	...	...	2	...	...	...	...	1
Dove street	3	...	...	...	1	...	1
Dun Cow street	1	1	...	4	...	...	...	...	5	...
Dunning street	1	...	...	...	3	...	4	1	1	7
Durham road	1	...	...	...	...	...	...
Earl street	1	...	...	...	...	...	...
East Cross street	2	...	...	2	...	...	1	1	3	2
Edwin street	2	...	...	...	...	1	...
Eldon street	1	...	...	...	...	...	...
Elgin street	2	...	...	1	...	...	1	...	...	3
Enderby road	1	...	...	...	...	...	...
Exhibition terrace	3	...	...	...	5	...	...	...	2	...
Exeter street	3	...	...	...	...	1	...	...	1	1
Farrington row	3	...	2	5	3	...	...	...	3	...
Florida street	4	...	...	...	...	...	...
Fontaine road	1	...	...	...	...	1
Garden place	2	...	...	...	...	1	...
Garden street	1	1	...	...	...	...	...	2	1
General Gordon terrace	3	...	...	...	...	...	...
Gerald street	1	...	1	...	8	...	...	1	2	2
Gibson terrace	1	...	...	...	...	...	...
Gill Bridge avenue	6	...	...	2	...	...	...	...	1	...
Glass street	3	...	...	...	...	...	...
Glebe Cleft villas	1	...	...	1	...	...	...	1	...	2

TABLE VIII.—CONTINUED.

Street.	Smallpox.	Enteric Fever.	Typhus Fever.	Continued Fever.	Scarlet Fever.	Measles.	Diphtheria.	Whooping Cough.	Diarrhoea.	Removed to Hospital	Deaths.
Glebe street	1	...	...	1
Grace street	1	...	...	...	...	...	...	...	...	...
Grace terrace.....	1	...	...	...	...	...	...
Green Dragon Inn	1	...	...	...	...	...	...	...	1	...
Grafton street	1	...	1	2	...	...	...	1	...	1
Granville street.....	...	1	...	...	...	3	...	...	...	1	...
Hanover place	2	...	1	...	2	...	...	2	2	3
Harlow street	3	...	...	...	1	...	...	2	...	3
Harper terrace	1	...	...	...	...	...	1	...
Harrison street.....	...	1	...	1	1	7	...	...	...	1	...
Hedley street	3	...	...	4	3	...	...	...	5	...
Hetton street	1	...	...	...	...	...	...	1	...	1
High Barnes terrace.....	1	...	...	...	...	...	...
High street West	1	...	...	...	2	...	...	...	1	...
Hillfield terrace	1	...	4	...	...	...	...	1
Hind street	3	1	...	...	...	...	...	...	1	2
Hope street	3	...	...	1	...	...	3	1	4	4
Hopper street	2	...	...	...	2	1	2
Hort street	1	...	...	...	1	...	...	1
Houghton street	1	...	...	...	...	...	...	...	1	...
Howarth street.....	5	...	1	...	...	2	...
Howarth street South.....	1	...	...	...	...	...	...	...	...	1	...
Hume street	1	...	...	1	...	...	...	...	1	...
Hylton road	2	...	...	...	...	...	...
Hylton street.....	...	1	...	...	...	...	...	...	...	...	...
Infirmary row	1	...	...	...	...	...	...	...	...	...
James street	1	...	...	...	3	...	...	...	1	...
Jobling street	1	...	1	2	5	...	...	...	...	1
John Candlish road	3	...	...	...	...	...	...	...	...	...
Johnson street	2	...	...	...	...	2
John street West	2	...	1	...	10	...	...	...	1	1
Johnson terrace	1	...	...	...	...	...	...	1	1
Kayll road.....	2	...	...	...	...	...	...
Kendal street	1	...	...	...	...	1	...
Kingsley street.....	...	1	...	...	...	...	...	...	...	...	1
King's road	1	...	1
Knoll, The..	2	...	...	...	...	...	...
Lambton street.....	...	4	...	...	...	...	...	...	...	1	...
Landsale buildings	1	...	...	1	2	...	...	...	...	1
Lime street	1	...	...	...	...	...	...	...
Lincoln street	1	...	...	...	...	...	...
Lisburn terrace.....	1	5	...	...	1	1	1	4
Lister street	1	1	...	...	...	...	2	...
Low row.....	2	...	...	...	...	...	...	...	...	2	...
Lumley street	7	...	...	...	...	...	...
Maple street	1	...	...	...	...	...	1	1
Margaret street	1	...	...	...	...	...	...	...	...	...
Marlborough street	1	2	1	...	...	...	1	1
Martin terrace	1	...	...	1	...	...	...	...	...	...
Matamba terrace	2	...	...	...	...	...	...	...	1	...
Matlock street	1	...	...	2	...	2
Milburn street	3	...	...	6	7	...	...	...	5	2

TABLE VIII.—CONTINUED.

Street.	Smallpox.	Enteric Fever.	Typhus Fever.	Continued Fever.	Scarlet Fever.	Measles.	Diphtheria.	Whooping Cough.	Diarrhoea.	Removed to Hospital	Deaths.
Sydenham place	9	1	...	...	...	...
Teb street	1	...	...	2	1	...	...	...	1	...
Thornton place	1	...	...	...	...	...	...
Trewhitt's crescent	2	...	...	1	...	...	...	...	...	1
Trimdon street	2	...	...	4	1	...	...	...	5	...
Trimdon street West	2	...	...	1	...	...	...	...	...	1
Ventnor terrace.....	...	1	...	...	2	...	...	...	...	1	...
Vicarage terrace'	1	...	...	...	...	...	...	...	...	...
Victoria buildings.....	...	1	...	...	...	...	...	...	...	1	...
Walker street	1	...	...	...	...	...	...	...	1	...
Washington street	1	...	...	...	...	...	...	1	1	1
Wellington lane	2	...	...	...	...	...	1	...	...	1
Wellington road	1	...	...	...	...	...
Waterworks road	1	...	...	...	...	...	...	...	1	...
Water street	1	...	...	...	...	...	...	1	...	1
Watson's lane	1	...	...	1	...	...	...	...	...	1
Westbourne road	2	...	...	...	...	...	...
West Wear street.....	1	...	...	1
Wharncliffe street.....	...	1	...	...	3	...	...	...	...	...	1
Whitehall terrace.....	1	...	1
Williams street	6	...	...	4	...	...	1	2	4	2
William street	1	...	...	...	...	...	1	1	...	1
Willmore street.....	1	...	...	...	...	...	...
Wilson street.....	...	1	...	...	...	1	...	...	...	1	1
Workhouse	7	...	...	...	...	...	1	...	7	...

BISHOPWEARMOUTH SOUTH DISTRICT.

Street.	Smallpox.	Enteric Fever.	Typhus Fever.	Continued Fever.	Scarlet Fever.	Measles.	Diphtheria.	Whooping Cough.	Diarrhoea.	Removed to Hospital	Deaths.
Addison street	1	11	...	...	...	...	1
Addison street East.....	...	1	...	...	1	14	...	...	...	...	...
Albany terrace	2	5	...	...	...	1	1
Amberley street South	1	...	...	...	...	...	...	...	1	...
Ann street.....	...	1	...	...	2	4	...	...	...	...	...
Ashmore street.....	...	1	...	...	...	...	...	...	...	...	...
Ashbrooke Cricket Field cottage	1	...	...	...	...	...	...
Athol road.....	...	1	...	...	7	7	1	...	...	1	...
Avenue, The	1	...	...	...	...	...	...
Avon street	14	...	...	1	...	1
Azalea terrace North	1	...	...	...	...	...	...	...	...	1
Back D'Arcy terrace	1	1	...	...	...	1	...
Back Henry street East	13	...	...	...	...	1
Back Nile street	1	...	...	...	...	1

TABLE VIII.—CONTINUED.

Street.	Smallpox.	Enteric Fever.	Typhus Fever.	Continued Fever.	Scarlet Fever.	Measles.	Diphtheria.	Whooping Cough.	Diarrhoea.	Removed to Hospital	Deaths.
Back Sans street	1	...	...	1	...	...	...	...	...	...
Bambro' street	1	...	...	...	...	...	...	...	1	...
Beechwood street.....	...	1	...	...	...	...	...	...	...	...	1
Belle Vue road	1	...	...	...	...	...	...
Blandford street	1	...	...	...	...	...	...	...	1	...
Blue House yard	4	...	...	...	...	...
Borough road.....	...	1	...	...	...	...	...	...	...	...	...
Borough road terrace	1	...	...	...	...	...	...
Boughton street	1	...	...	...	1
Bramwell street	12	19	...	1	...	7	3
Brookside gardens	1	...	...	...	...	...	...
Brookside terrace	1	...	...	...	...	...	...
Brougham street	4	...	...	...	2	...	...	...	1	...
Burlington road	4	5	...	...	...	2	...
Buddle terrace...	9	...	...	...	...	...
Bull street	1	...	...	...	...	...
Cairo street	2	...	...	5	9	...	1	...	...	2
Canon Cockin street.....	5	4	...	...	...	1	...
Carlyon street	1	...	...	...	...
Carter street	1	...	...	1	...	...	...	...	...	...
Churchill street.....	2	...	...	...	...	...
Christopher street.....	3	6	...	...	...	...	1
Clark terrace.....	6	...	1	...	...	1
Clementina street.....	1	...	...	...	...	...	...
Cliffe terrace	1	...	5	...	...	...	1	...
Clyde street	1	...	...	1	...	1
Commercial road	1	...	...	...	...	...	...
Coronation street	1	...	...	...	1	1	1
Cousin street.....	2	6	...	...	1	...	1
Coxon street	2	...	...	...	...	...	...
Cross Brougham street	1	...	...	...	...	...	...	...	1	...
Crowtree terrace	1	...	...	...	4	...	...	...	...	1
Crowtree road	3	...	...	...	...
Cumberland terrace	2	4	...	...	...	1	...
D'Arcy street.....	...	2	...	...	...	2	2	...	...	...	1
D'Arcy terrace	2	6	...	...	...	1	...
Derby street	1	...	...	...	...	...	...
Derwent street	1	...	...	6	4	...	...	...	...	...
Durham road.....	1	...	...	1
Eastern street	5	...	...	...	...	1
East Parade	1	...	...	...	...	...	...	...
East street.....	1	3	...	...	...	20	...	...	...	1	...
Eden street	3	2	...	...	...	...	...
Eden vale	2	...	...	...	...	1	...
Elms West.....	3	...	...	...	...	...	...
Ennma street.....	1	15	...	1	...	1	1
Ernest street.....	1	...	1
Esplanade West	1	...	...	...	1	1	1
Fawcett street	1	...	...	...	...	...
Fenwick street	1	...	...	2	...	...	...	...	...	...
Finchale terrace	1	...	...	...	...	...
Fleet street	1	1	...	...	...	1	...

TABLE VIII.—CONTINUED.

Street.	Smallpox.	Enteric Fever.	Typhus Fever.	Continued Fever.	Scarlet Fever.	Measles.	Diphtheria.	Whooping Cough.	Diarrhoea.	Removed to Hospital	Deaths.
Ford street	4	4	...	...	...	...	...
Fore street	1	...	...	...	4	...	...	...	...	2
Fowler place	1	...	...	...	...	...	...	...	...	...
Fowler terrace	4	8	1	...	1	...	2
Frederick street	1	...	...	1	1	...	...	...	...	1
Fuller road.....	4	4	...	...	...	3	...
Green, The	4	...	...	...	...	...	...
Green place	1	...	...	...	...	...	...	...	...	1
Green terrace	1	...	...	1	...	...	...	...	...	1
Guildford street	2	...	...	2	7	...	...	...	3	...
Grange terrace	1	...	...	...	...	...	...
Harold street.....	1	...	1	...	...	...	1
Harrogate street	1	...	...	...	2	2	...	...	...	1	...
Hastings street.....	...	2	...	...	8	8	...	...	1	1	1
Hedworth street	2	...	...	2	15	...	1	...	...	2
Hendon Burn avenue	1	...	...	9	3	...	...	...	3	1
Hendon road.....	...	3	...	...	3	5	...	...	...	3	...
Hendon street	2	...	...	...	36	...	...	1	1	5
Henry street	1	...	...	6	8	...	...	1	...	2
Henry street East	2	...	...	...	17	...	1	1	1	2
Herrington street.....	3	6	...	...	...	...	...
High street West.....	...	1	...	...	...	...	...	...	1	1	1
Howick street	2	...	...	3	4	...	...	...	...	...
Holmside cottage	1	...	...	...	...	...
Hudson's buildings	2	3	...	...	...	...	...
Hudson road	1	...	1
Humbledon view	1	...	...	...	...	...	...
Infirmary, The	2	12	...	1	3	3	1	...	...	7	1
King street	1	...	...	...	...
Lawrence street	4	...	...	5	4	...	1	1	4	4
Lawrence street West	1	1	...	...	...	...	1
Laura street	1	...	...	...	...	...	...	...	...	...
Lawton street	2	...	...	2	5	...	...	...	...	1
Linden street.....	1	...	...	...	...	...
Little Villiers street.....	...	3	...	...	...	...	...	...	...	...	...
Lodge terrace	1	...	...	1	2	...	...	1	1	2
Lorne terrace	2	...	...	...	...	...	...
Mabel terrace	2	3	...	...	...	...	1
Mainsforth terrace	3	...	...	3	10	...	...	...	4	...
Mainsforth terrace West.....	1	...	1
Marion street	1	...	...	...	...	...
Marshall street.....	...	1	...	...	1	3	...	...	...	1	...
Mary street	1	...	...	...	...	...	...	...	...	1
Middle street.....	...	2	...	...	...	...	...	...	...	2	...
Moor street	2	...	...	2	1	...	...	2	1	3
Mordey street	1	...	...	2	...	...	...	...	1	...
Mowbray terrace	1	...	...	...	...	...	...
Murton street	2	...	...	...	...	1	...
Nelson street.....	...	3	...	...	...	...	1	...	...	...	1
Nicholson street	1	...	...	...	...	1	...
Nile street.....	2	...	...	...	...	...	2
Noble street	1	...	...	4	5	...	...	...	...	...

TABLE VIII.—CONTINUED.

Street.	Smallpox.	Enteric Fever.	Typhus Fever.	Continued Fever.	Scarlet Fever.	Measles.	Diphtheria.	Whooping Cough.	Diarrhœa.	Removed to Hospital	Deaths.
North Durham street	2	...	...	2	1	...	...	...	3	1
Norman street	2	...	...	2	34	...	1	...	3	1
Northumberland street	5	...	1	6	3	...	...	...	3	3
Oaks, The	1	...	...	...	...	...	...
Oaks West.....	...	1	...	...	...	...	...	...	...	...	...
Oak street	2	...	...	...	...	...
Ocean road.....	1	...	...	...	...	1	...
Olive street	1	...	...	...	...	1	...
Otto terrace	1	...	...	...	...	...	...
Page street	8	7	...	...	...	5	...
Parade, The	2	20	...	...	1	2	1
Park place West	1	...	...	...	...	...	...
Park road	1	...	...	...	...	...	...	...	...	...
Park terrace	2	...	...	...	...	...	...
Peel street.....	1	...	...	...	...	...	...
Pemberton street.....	...	3	...	...	1	3	...	...	2	2	2
Percy terrace.....	1	4	...	...	...	...	...
Phoenix Glass Works	1	...	...	...	...	...	...	...	...	...
Railway street	1	...	...	...	1	...	...	1	...	1
Randolph street	1	1	...	...	...	...	1	...
Rectory terrace.....	...	1	...	...	2	...	...	...	...	1	...
Regent terrace	3	3	...	...	...	...	1
Ridley terrace	2	...	...	...	10	...	...	...	...	...
Robinson street	4	13	...	1	...	...	1
Robinson terrace	1	...	2	21	...	1	2	4	3
Rosalie terrace	2	...	...	...	4	...	...	...	2	...
Ryhope road	2	...	...	...	...	...	...
St. Leonard street	1	...	...	3	5	...	...	...	...	...
Salem hill South	1	4	...	...	...	1	1
Salem street	1	1	...	...	...	...	...
Sans street South.....	4	...	...	...	...	...
Salem villa.....	1	...	...	...	...
Salisbury street.....	1	...	...	1	1	1	2
Short street	4	...	...	...	...	1
Southgate	1	...	...	...	...	...	...	...	...	...
South Durham street	5	...	...	10	...	...	1	1	3	2
South Moor street	1	...	1
South street	2	...	...	...	1	...	...	2	...	2
Spelter Works road	3	4	...	...	...	2	...
Suffolk street.....	1	...	...	1	...	...	1
Suffolk street South	1	...	...	...	...	...	...
Sussex street.....	...	2	...	...	...	...	...	...	...	1	1
Tatham street	1	6	2	...	...	...	6	...
Tees street.....	...	4	1	...	4	7	...	1	...	4	1
Tel-el-Kebir road	1	1	...	...	...	...	...
Thompson street	1	...	...	3	10	...	...	...	3	1
Thornhill	1	...	...	...	...	1	...
Thornhill crescent	1	...	...	1	...	...	...	...	1	...
Thornhill gardens.....	1	...	...	...	...	...	...
Thornhill lodge	1	...	...	...	...	1	...
Thornhill park	1	1	...	...	...	1	...
Toward road	1	...	...	...	...	1	...

TABLE VIII.—CONTINUED.

Street.	Smallpox.	Enteric Fever.	Typhus Fever.	Continued Fever.	Scarlet Fever.	Measles.	Diphtheria.	Whooping Cough.	Diarrhoea.	Removed to Hospital	Deaths.
Tower street East.....	5	5	...	...	...	...	1
Tower street West	1	...	...	...	8	13	...	...	...	4	1
Tunstall vale	1	...	...	...	...	...	...
Tweed street	1	1	...	...	...	1	...
Tyne street	2	...	...	...	2	...	...	...	1	...
Upper Sans street	2	...	...	...	...	...	...	...	1	...
Vane terrace	1	...	...	8	16	...	1	...	5	4
Valley road	15	...	...	...	...	...
Villette path	5	...	...	...	...	1
Villette Brooke road.....	2	...	...	...	...	...
Villette road	1	...	...	4	4	...	...	...	...	...
Villiers street	4	3	...	...	1	1	1
Villiers street South.....	2	...	...	...	1	...	1
Vine place	1	1	...	2	...	1	2
Wall street	4	...	...	...	9	...	...	...	2	1
Walworth street	1	...	...	...	...	...	...	1	...	2
Ward street	1	...	...	6	37	...	1	1	...	4
Wear street	3	...	1	6	26	...	2	...	2	4
West Hendon lodge	2	2	...	...	...	2	1
West Sunnyside..	1	...	...	...	...	...	...
Whitehouse farm	6	...	...	...	...	1
Whitehouse crescent	6	...	...	...	...	...
Whitehouse road	1	...	...	1	7	...	...	...	...	1
Winchester terrace	8	...	...	...	...	1
Woodbine street	7	...	...	4	16	...	...	1	2	2
Woodbine street East	1	7	...	...	...	1	...
Woodbine terrace	1	...	...	...	3	...	...	1	...	2
Worcester terrace.....	1	...	...	...	...	...	...
York street	1	...	...	...	...	...	1	1	...	2
Zion street.....	...	6	...	...	1	7	...	...	1	1	1

MONKWEARMOUTH DISTRICT.

Street.	Smallpox.	Enteric Fever.	Typhus Fever.	Continued Fever.	Scarlet Fever.	Measles.	Diphtheria.	Whooping Cough.	Diarrhoea.	Removed to Hospital	Deaths.
Abbs street	1	...	...	...	...	...	...
Albany street	1	...	...	...	...	...	...	...	...	...
Back Albany street	1	...	...	1	...	...	...	...	1	...
Back Barclay street	1	...	...	...	...	...	...	...	...	...
Back Barrington street	1	...	...	...	...	...	...
Back Bonner's field	1	...	...	...	2	...	...	...	1	...
Back Howick street.....	1	...	...	...	...	...
Back Brooke street	1	...	1
Back Rendlesham street.....	1	...	...	...	...	...
Back Hamilton street	1	...	...	...	...	...	...
Back Dundas street	1	1	4	...	...	1	...	2

TABLE VIII.—CONTINUED.

Street.	Smallpox.	Enteric Fever.	Typhus Fever.	Continued Fever.	Scarlet Fever.	Measles.	Diphtheria.	Whooping Cough.	Diarrhoea.	Removed to Hospital	Deaths.
Back Richmond street.....	...	1	...	...	...	...	...	...	...	...	...
Back Stobart street.....	1	...	...	...	...	...	...
Back Wilson street	1	...	...	...	...	1
Back Stables.....	1	...	...	1
Barclay street	1	...	...	...	...	...	...	...	...	1
Barrington street.....	...	3	...	1	1	6	...	...	...	...	1
Bond street	1	...	...	...	...	...	...	...	1	...
Bonner's field.....	...	3	...	...	...	...	...	...	...	1	...
Bloomfield street	1	...	1	...	...	...	...	...	1	2
Brandling street	1	...	...	2	2	...	...	1	...	1
Brewery bank	3	...	1	...	...	...	...	...	1	...
Bright street.....	...	3	...	2	2	2	...	...	1	...	1
Brooke street.....	...	1	...	...	...	1	1	...	...	1	...
Byron street	3	...	...	...	3	...	...	...	1	1
Cage hill...	1	1	...	...	...	...	...
Cardwell street	1	1	...	...	...	...	1
Causeway, The	1	...	...	...	...	...	1	...
Charles street	2	1	...	...	...	...	1
Chilton street	1	...	...	...	...	...
Church street	3	...	...	3	1	...	...	1	3	1
Cooper street.....	1	...	...	...	...	...
Colliery row	1	...	...	...	...	...	...	...	...	...
Colliery school	1	...	...	...	...	...	...
Colliery square	3	2	...	...	...	1	2
Crozier street.....	1	...	...	...	...	...	...	...
Dame Dorothy street	7	...	...	2	11	1	...	...	2	3
Devonshire street.....	...	2	...	...	1	4	1	...	1	1	1
Dixon square.....	...	1	...	...	1	...	...	...	...	...	...
Dock street	3	...	...	3	4	...	1	...	1	1
Dock street East	6	...	...	1	6	...	...	...	...	...
Duke street	1	...	1	2	3	...	...	...	...	...
Dundas street	1	...	1	7	...	...	...	...	...	...
Eglinton street	1	4	...	...	...	...	...
Eglinton street North	3	3	...	1	...	3	1
Ellerslie terrace.....	...	1	...	...	...	...	...	...	...	...	...
Empress street	1	...	...	...	...	...	...
Finsbury street.....	...	2	...	...	3	...	...	...	...	2	...
Folley end	1	...	...	...	...	...	...	...	...	1
Forster street	4	2	...	...	...	1
Fulwell road	2	1	...	...	7	...	...	1	...	1
Garden court.....	...	1	...	...	...	...	...	...	...	...	...
George street.....	2	...	...	...	...	...	...
Gladstone street	4	...	...	4	21	...	...	...	2	...
Gosforth street	3	...	1	...	25	...	...	...	3	3
Hallgarth square	1	...	2	...	...	2
Hamilton street	2	...	...	2	1	...	...	...	1	1
Hardwicke street	3	...	1	1	5	1	2	1	2	5
Hartington street.....	1	6	...	...	...	...	...
Hay street.....	...	2	...	...	...	...	...	...	...	2	...
Hedworth street	1	...	...	...	1	...	...	1	1	1
Hedworth place	1	...	...	...	...	...	...	...	1	...
Hodgson's buildings	2	...	...	...	4	...	...	...	...	...
Hood street	6	...	...	6	2	...	...	1	...	2

TABLE VIII.—CONTINUED.

Street.	Smallpox.	Enteric Fever.	Typhus Fever.	Continued Fever.	Scarlet Fever.	Measles.	Diphtheria.	Whooping Cough.	Diarrhoea.	Removed to Hospital	Deaths.
Howard street	3	...	...	...	...	1
Howick square	1	...	...	...	...	...
Howick street	1	...	...	1	4	...	...	...	1	...
Horatio street	7	...	...	...	...	...
Huddleston street.....	...	2	...	1	...	2	...	...	...	...	...
Huntley place	1	...	...	...	...	...	...
Liddell terrace	1	...	...	...	3	...	...	...	...	1
Linden terrace	1	...	...	...	...	...	...	...	...	...
Long row	1	...	...	3	2	...	...	...	...	...
Millum terrace	2	...	...	1	4	...	...	...	1	2
Monkwearmouth hospital	2	...	...	...	...	...	...	...	...	1
Mulgrave street	4	...	...	...	6	...	...	...	1	...
New Brandling street	1	...	...	...	...	...	...	...	...	...
Normanby street	2	...	...	1	...	...	...	...	2	...
North Bridge street.....	...	2	...	...	...	...	...	...	...	1	...
North quay	1	...	...	...	2	...	...	...	1	1
North Wilson street.....	...	1	...	...	...	...	...	...	...	...	...
Old Rectory, Fulwell road	1	...	...	...	1
Osborne street	3	...	...	1	4	...	...	...	...	1
Pilgrim street	1	...	...	...	5	...	...	...	1	...
Portobello lane	1	4	...	...	...	...	1
Queen's Head yard, Church street	1	...	...	...	...	1
Ravensworth terrace	1	...	...	...	...	...	1
Rendlesham street	1	9	...	...	...	...	1
Richmond street	2	...	...	...	...	...	...	...	...	...
Ripon street	1	1	2	...	...	1	...	1
Roker avenue	1	...	...	4	3	...	1	...	1	2
Roker villa..	1	...	...	...	...	...	...
Ross street.....	...	6	...	...	1	...	1	...	...	5	1
Rothsay street	7	...	1	...	2	...	...	...	6	1
Sheepfolds	1	...	...	...	...	...	...
Society lane	1	...	...	2	1	...	...	2	1	2
Stansfield street	2	1	...	...	...	...
Stobart street	6	...	...	...	...	...	...	...	3	...
Swan's yard, Thomas street...	1	...	...	...	...	...	...	...
Thomas street	1	...	...	...	1	...	1	...	...	1
Victoria cottages	1	...	...	...	...	...	...	...	...	...
Victor street	9	...	...	9	23	...	...	1	4	3
Wallace street	1	...	...	4	...	...	...	...	2	...
Warwick street.....	3	...	...	...	...	...	...
Waterloo place	1	...	...	...	...	...	...	...	1	...
Wayman street.....	...	3	...	...	2	4	...	...	...	2	1
Wearmouth street.....	1	...	...	...	...	1	...
Whickham street	1	...	...	...	1	...	...	...	1	...
Whitburn street	1	1	...	1	4	...	2	...	2	3
Williamson street.....	1	1	1	...	...	...	1
Williamson terrace	1	...	...	...	...	1
Wilson street.....	...	2	...	...	1	7	...	...	...	...	2
Woodger terrace	3	...	...	...	1	3	2
Wreath Quay road	2	...	...	...	...	...	...	...	...	...
Yellow cottages, Fulwell road	1	...	...	...	...	...
Zetland street	6	...	...	...	6	...	...	1	2	1

TABLE IX.

Showing the BIRTHS registered in the Borough during the Year 1894, together with the DISTRICTS in which they occurred, the QUARTERS in which they were registered, &c.

DISTRICTS.	Estimated Population.	First Quarter.		Second Quarter.		Third Quarter.		Fourth Quarter.		Totals.		Totals.	Rate per 1000. in 1893.
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.		
Sunderland (Sub-District)	14,283	74	68	61	67	73	57	69	64	277	256	533	37·31
Bishopwearmouth North	42,797	232	180	220	195	195	186	201	214	848	775	1,623	37·99
Bishopwearmouth South	48,922	203	198	184	205	171	150	177	192	735	745	1,480	30·25
Monkwearmouth	30,099	151	149	119	161	140	126	149	129	559	565	1,124	37·34
Whole Borough	136,101	660	595	584	628	579	519	596	599	2,419	2,341	4,760	34·97
Totals	136,101	1,255		1,212		1,098		1,195		4,760		4,760	34·97
Birth-Rates .....	...	36·88		35·62		31·97		35·12		34·97		...	...

TABLE X.

Showing the STATE of VACCINATION in the entire Districts of the Sunderland Union for the Year ending December, 1894, and for the Ten preceding Years.

(AS FURNISHED BY MR. A. S. FOX, VACCINATION OFFICER.)

Year.	Births Registered.	Total Vaccinated.	Postponed by Medical Authority.	Died previous to Vaccination.	Removal into other Unions.
1884	6345	5305-8*	134	622	271
1885	5717	4941-8*	66	505	190
1886	5603	4925-4*	55	488	128
1887	5475	4739-9*	64	506	150
1888	5588	4826-5*	56	480	220
1889	5895	4794-4*	89	653	274
1890	6011	5001-12*	100	645	247
1891	6118	5021-10*	135	667	270
1892	6078	5063-11*	134	598	258
1893	5910	4624-14*	198	733	341
Average for } 10 Years, } 1884-93.	5854	4953-8*	103	589	230
1894	5926	4494-11*	146	651	455

* Denotes insusceptibility

TABLE XI.

Showing the Deaths in each Week from 1879 to 1894.

WEEKS.	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894
1st	60	47	58	52	61	53	53	47	39	52	60	57	73	64	57	55
2nd	47	59	60	44	65	49	56	42	48	36	58	69	58	65	59	58
3rd	44	43	57	50	66	55	63	61	56	51	54	53	60	60	56	70
4th	69	55	50	62	71	45	66	49	55	51	52	48	56	47	50	43
5th	52	64	70	54	82	61	64	60	48	51	50	75	52	53	49	43
6th	56	50	37	55	62	46	78	54	42	44	46	66	47	53	55	56
7th	53	47	65	53	49	61	91	75	55	36	55	72	62	40	49	52
8th	51	47	51	51	69	47	71	54	40	60	57	68	71	50	50	56
9th	46	44	50	52	58	56	101	51	38	34	49	69	75	49	49	39
10th	63	55	44	57	67	61	116	73	66	44	55	64	56	66	41	56
11th	58	46	41	52	60	56	106	55	67	56	36	69	54	66	60	45
12th	41	51	52	57	67	47	97	48	82	49	74	47	54	50	44	60
13th	69	50	46	47	72	45	96	38	55	60	49	57	59	58	54	52
14th	71	56	49	54	48	52	69	49	63	38	47	64	64	52	51	49
15th	49	53	55	58	59	54	79	36	45	45	59	51	70	66	65	47
16th	51	56	48	53	51	51	75	41	66	41	44	54	61	61	44	51
17th	54	38	36	51	48	52	57	43	49	46	36	59	59	62	55	47
18th	45	46	37	66	59	58	52	51	51	40	51	70	62	72	51	45
19th	52	53	47	56	46	50	60	39	38	43	45	56	62	58	46	42
20th	52	53	48	54	49	39	58	41	37	43	51	75	67	54	51	35
21st	46	50	45	52	58	49	50	47	39	47	54	70	62	70	50	49
22nd	50	40	53	34	36	52	45	40	37	40	48	50	55	49	36	53
23rd	39	51	40	42	53	48	33	46	49	46	55	45	57	46	60	49
24th	48	56	46	55	61	53	42	29	29	49	54	51	45	49	49	41
25th	40	48	32	54	48	48	44	39	37	41	47	53	49	45	64	54
26th	54	53	41	30	47	55	45	36	32	34	65	45	51	57	47	47
27th	41	54	41	44	38	56	52	32	32	46	55	47	50	59	52	46
28th	44	53	41	51	225	43	44	41	43	48	78	52	44	45	58	55
29th	31	51	51	57	47	56	51	38	39	36	69	47	67	50	78	55
30th	47	44	54	66	43	57	46	49	36	40	72	52	50	58	65	56
31st	34	43	65	57	49	52	57	48	60	34	70	52	54	61	72	45
32nd	59	62	54	72	49	42	61	40	50	33	73	46	61	35	66	58
33rd	37	66	37	70	61	58	48	58	61	34	76	59	67	49	80	80
34th	40	69	34	63	37	64	55	45	44	33	60	64	67	42	72	68
35th	37	84	50	70	45	67	56	50	55	52	58	58	51	46	67	56
36th	50	80	38	69	65	66	40	66	48	39	53	65	65	55	78	52
37th	49	74	38	87	62	61	41	65	55	36	66	57	70	54	77	64
38th	45	79	35	65	54	61	48	68	56	55	65	72	83	52	69	40
39th	43	71	37	70	58	43	39	49	48	41	71	65	58	53	80	54
40th	40	77	39	73	53	71	46	54	56	43	66	67	65	54	61	51
41st	48	57	45	66	41	73	45	47	46	63	72	60	57	43	52	58
42nd	42	49	45	78	42	55	41	52	63	74	61	66	59	54	65	59
43rd	49	51	47	75	52	39	34	33	45	56	59	72	63	34	41	70
44th	46	52	48	65	43	49	36	38	51	53	59	46	72	48	56	62
45th	65	65	37	74	52	49	45	37	36	49	64	49	83	48	72	63
46th	38	48	55	77	47	55	45	47	44	54	69	57	80	41	52	60
47th	52	58	43	109	45	61	52	38	43	47	67	63	81	49	72	65
48th	45	57	55	59	56	60	44	54	43	44	78	43	98	45	63	59
49th	52	41	41	81	50	73	42	50	44	33	56	69	79	61	62	71
50th	38	55	46	63	48	52	45	45	57	41	74	61	77	69	49	59
51st	43	49	42	65	49	55	50	49	58	67	56	51	68	48	57	54
52nd	38	59	50	86	45	67	47	45	53	57	62	85	63	59	65	60
53rd	43	...	...	...	...	52	...	...	...	...	...	58	...	..	...	...

TABLE XI_A.

Showing the Death-Rates in each Week from 1879 to 1894.

WEEKS.	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894
1st	27·2	21·2	25·6	23·5	27·0	22·7	22·5	19·7	16·3	21·2	24·3	22·9	28·6	25·1	22·1	21·1
2nd	21·3	26·3	26·5	19·9	28·2	21·0	23·8	17·7	19·9	14·8	23·6	27·7	23·0	25·5	22·8	22·2
3rd	19·9	19·4	25·2	22·6	28·6	23·6	26·7	25·4	23·1	20·8	22·0	21·5	23·7	23·6	21·7	26·8
4th	31·3	24·8	22·1	27·2	30·8	19·3	27·9	20·5	22·7	20·8	21·2	19·5	22·4	18·5	19·4	16·5
5th	23·6	28·8	30·9	23·7	35·5	26·1	27·1	25·1	19·9	20·8	20·4	29·9	20·7	20·8	19·0	16·5
6th	25·4	22·6	16·4	24·2	26·9	19·8	32·9	22·6	17·5	18·1	18·9	26·0	19·8	20·8	21·4	21·7
7th	24·0	21·2	28·7	23·5	21·3	26·1	37·9	31·2	22·7	14·9	22·3	28·7	24·7	15·7	19·0	20·2
8th	23·1	21·2	22·6	22·4	29·9	19·7	25·8	22·6	16·7	24·4	23·1	27·2	27·1	19·6	19·4	21·7
9th	20·9	19·9	22·1	22·9	25·2	24·0	42·5	21·4	15·9	14·1	20·0	27·6	29·6	19·2	19·0	15·1
10th	28·6	24·8	19·5	25·0	26·5	28·6	48·7	30·4	27·1	18·0	22·4	25·7	22·4	25·9	15·9	21·7
11th	26·3	20·8	18·2	22·9	25·6	25·2	44·3	23·0	27·5	22·8	15·0	27·6	21·7	25·9	23·3	17·5
12th	18·6	23·0	23·0	25·1	29·1	20·2	40·8	20·2	33·5	20·1	29·8	18·8	21·7	19·6	17·0	23·0
13th	31·3	22·6	20·4	20·7	31·2	19·3	40·4	16·1	22·7	24·4	20·1	23·0	23·6	22·8	21·0	19·9
14th	32·2	25·2	21·7	23·7	20·9	22·3	29·2	20·6	25·9	15·7	19·3	25·7	25·4	20·4	19·8	18·8
15th	22·2	23·9	24·3	25·5	25·6	23·1	33·3	15·2	18·7	18·4	23·9	20·3	27·7	25·9	25·2	18·0
16th	23·1	25·2	21·3	23·5	22·2	21·9	31·7	17·3	27·1	16·9	18·1	21·4	24·3	24·0	17·1	19·5
17th	24·5	17·2	16·0	22·4	20·9	22·3	34·2	18·1	20·4	18·9	15·0	23·7	23·6	24·4	21·4	18·0
18th	20·4	20·8	16·4	29·0	25·7	24·7	22·1	21·4	21·2	16·5	20·8	27·5	24·7	28·3	19·8	17·2
19th	23·6	23·9	20·8	24·6	19·3	21·5	25·5	16·5	16·0	17·7	18·5	22·6	24·7	22·8	17·9	16·1
20th	23·6	23·9	21·3	23·7	21·4	16·8	24·6	17·3	14·8	17·7	20·8	29·8	26·6	21·2	19·8	13·4
21st	20·9	22·6	20·1	22·9	25·2	21·0	21·1	19·8	16·4	19·3	22·0	27·9	23·3	27·5	19·4	18·8
22nd	22·7	18·1	23·7	15·0	15·8	22·3	19·2	16·9	15·6	16·5	19·7	20·3	21·8	19·2	14·0	20·3
23rd	17·7	23·0	17·9	18·5	23·1	20·6	14·2	19·4	20·4	18·9	22·4	18·4	22·6	18·0	23·3	18·8
24th	21·8	25·2	20·6	24·2	26·5	22·7	18·0	12·4	20·4	16·1	22·0	20·7	17·9	19·2	19·0	15·7
25th	18·1	21·7	14·3	23·7	20·9	20·6	18·8	16·5	15·6	16·9	19·3	21·5	19·4	17·7	24·8	20·6
26th	24·5	23·9	18·3	13·3	20·5	23·6	19·2	15·3	13·5	14·1	26·3	18·4	20·2	22·4	18·2	18·0
27th	18·6	24·3	18·3	19·8	16·9	24·0	22·1	13·6	13·5	18·9	22·4	19·2	19·8	23·2	20·2	17·0
28th	19·9	23·9	18·3	22·3	20·5	18·5	18·8	17·3	18·0	19·7	31·5	21·1	17·5	17·7	22·5	21·1
29th	14·0	23·0	22·8	24·6	20·5	24·1	21·7	16·1	16·4	14·9	27·8	19·2	22·6	19·6	30·3	21·1
30th	21·3	19·9	24·1	29·0	18·8	24·0	19·6	20·6	15·1	16·5	28·2	21·0	19·8	22·8	25·2	21·4
31st	15·4	19·4	29·0	25·0	17·6	22·3	24·2	20·2	24·8	14·1	29·8	21·1	21·4	23·9	27·9	17·6
32nd	26·8	27·9	24·1	31·6	21·3	18·1	25·9	16·5	20·8	13·7	29·3	18·5	24·2	13·7	25·7	22·2
33rd	16·7	29·7	16·5	30·8	26·6	24·8	20·5	24·3	25·2	14·1	30·5	23·7	26·6	19·2	31·0	30·6
34th	18·1	31·0	15·2	27·7	16·2	27·4	23·2	19·0	18·3	13·8	24·3	25·6	26·6	16·5	27·9	26·0
35th	16·7	37·8	22·8	30·8	19·6	28·6	23·8	21·0	22·8	21·0	23·5	23·4	20·2	18·0	26·0	21·4
36th	22·7	36·0	22·3	30·3	28·3	28·2	17·2	27·5	19·9	16·1	21·6	25·6	25·8	21·6	30·3	19·9
37th	22·2	33·3	17·0	40·1	27·0	26·1	17·6	27·1	22·8	14·9	26·7	23·0	27·8	21·2	29·9	24·5
38th	20·4	35·5	15·6	28·5	23·5	26·1	20·5	28·0	23·2	22·3	26·3	28·7	33·0	20·4	28·8	15·3
39th	19·5	31·9	16·5	30·7	25·2	18·5	16·7	20·6	19·9	16·9	28·6	25·6	23·0	20·8	31·0	20·6
40th	18·1	34·6	17·4	32·0	23·1	30·3	19·6	22·6	23·2	17·7	26·7	26·3	25·8	21·2	23·7	19·5
41st	21·8	25·7	20·1	28·9	17·9	31·2	19·2	19·8	19·1	25·6	29·0	24·1	22·6	16·9	20·2	22·2
42nd	19·0	22·1	20·1	34·2	18·4	23·6	17·6	21·4	26·0	29·9	24·7	26·0	23·4	21·2	25·2	22·6
43rd	22·2	23·0	21·0	32·9	22·7	16·8	14·7	14·0	18·9	22·9	23·9	28·7	25·0	13·4	15·9	26·8
44th	20·9	23·4	21·4	28·5	18·8	21·0	15·5	16·1	21·2	21·7	23·9	18·8	28·6	18·9	21·7	23·7
45th	30·0	29·3	16·5	32·5	22·7	21·0	19·2	15·7	15·2	20·1	25·9	19·9	33·0	18·8	27·9	24·1
46th	16·7	21·7	24·6	30·8	20·5	23·6	19·2	19·8	18·3	22·0	27·8	23·0	31·8	16·1	20·2	22·9
47th	23·6	26·1	19·2	47·9	19·6	26·1	22·1	16·1	18·9	19·3	27·4	25·2	32·2	19·2	27·9	24·9
48th	20·4	25·7	24·6	26·0	24·3	25·8	18·8	22·6	17·9	18·1	31·3	17·6	39·0	17·7	24·4	22·6
49th	23·6	18·5	18·3	35·6	21·8	31·2	18·0	21·0	19·3	27·1	22·8	27·6	31·4	24·0	24·0	27·2
50th	17·7	24·8	20·6	27·7	20·9	22·3	19·2	19·0	23·6	16·9	29·8	25·5	30·6	27·1	19·0	22·6
51st	19·9	22·1	18·8	28·6	21·3	23·6	21·3	20·6	24·0	27·2	22·8	20·3	27·0	18·8	22·1	20·6
52nd	17·2	26·6	22·3	37·7	19·6	28·6	20·1	19·0	22·0	23·2	25·1	33·1	25·0	23·2	25·2	22·9
53rd	19·5	...	...	...	...	22·3	...	...	...	...	...	23·4	...	...	...	...

N.B.--The rates from 1882 to 1890 have been corrected on populations based on the 1891 Census.

TABLE XII.

Showing the cases of SICKNESS in which Houses were visited by the Medical Officer of Health and Sanitary Inspectors, during the year 1894.

DISEASES.	No. of Cases.
Smallpox	8
Typhus Fever	10
Enteric Fever	588
Simple Continued Fever	80
Scarlet Fever	706
Measles	1208
Diphtheria.....	23
Whooping Cough.....	65
Diarrhœa	113
Puerperal Fever	12
Total	2,813

TABLE XIII.

Showing the cases in which it was found necessary to adopt MAGISTERIAL PROCEEDINGS.

Particulars of Complaints.	No.	How disposed of.	Penalties imposed.
Ashpits, privies, water closets, spout, and premises in such a state as to be a nuisance and injurious to health	14	11 withdrawn on payment of costs ; 2 ordered to abate nuisance and pay costs ; 1 withdrawn ; 1 dismissed.	£ s. d. 2 12 0
Common Lodging Houses Act	17	1 fined 50s. and costs ; 2 fined 40s. and costs ; 3 fined 20s. and costs ; 1 fined 12s. and costs ; 5 fined 10s. and costs ; 1 fined 2s. 6d. and costs ; 1 fined 10s. and costs and license endorsed ; 2 fined costs of court, and 1 dismissed.	19 8 6
Selling and exposing for sale unsound food.	1	Fined 10s. and costs.	0 17 6
Depositing butchers' offal in ashpits	1	Fined 40s. and costs	2 7 6
Total	33		£35 5 6

TABLE XIV.

Showing the amount of UNSOUND MEAT and other UNWHOLESOME ARTICLES OF FOOD seized and destroyed by the Inspectors during 1894.

Class of Food seized.	No. of Seizures.	Quantity Seized and Destroyed.	No. of Persons Summoned.	No. of Convictions.	Amount of Penalties Imposed.
Beef	4	1,457 lbs.	...	...	...
Veal	1	87 lbs.	...	...	...
Pork	1	126 lbs.	...	...	...
Sausage	1	3½ lbs.	...	...	...
Rabbits	2	31	1	1	10s. and costs
Haddocks	5	112 stones	...	...	...
Flat Fish	1	9 st. and 20 pcs.	...	...	...
Shrimps.....	5	952 qrts.	...	...	...
Potatoes	1	100 stones.	...	...	...
Onions	1	11 lbs.	...	...	...
Cherries.....	2	23 baskets.	...	...	...
Plums	8	41 lbs.	...	...	...
Pears.....	3	18 lbs.	...	...	...
Tomatoes	2	5 lbs.	...	...	...
Lemons	2	25½ lbs.	...	...	...
Bananas	1	3 baskets.	...	...	...
Damsons	1	10 lbs.	...	...	...
Eggs	1	7 lbs.	...	...	...
Totals.....	42	...	1	1	...

TABLE XV.

Showing the NOTICES served by the Inspectors during 1894.

To Cleanse Properties after Infectious Disease	1,843
To Repair Defective House Drains	306
To Whitewash Premises, Cleanse Rooms, Yards, Out-houses, &c.	4,730
Defective Spouts	184
To Abate Overcrowding.....	20
To Repair Water-closets, Privies, Ash-pits, &c.	1,127
To Repair Yard Pavements	321
To Repair Dilapidations in Houses ..	191
To Repair Ash-pit Fittings, &c.	286
To Supply Houses with Water	15
To Abate other Nuisances..	274
Hat Case Area Notices	187
Total.....	9,671

TABLE XVI.

Giving the particulars as to the number of NUISANCES attended to, and reported on, by the SANITARY INSPECTORS during the year 1894; together with the number of INSPECTIONS made.

Number of Nuisances reported	4,215
Nuisances abated after Notice, without Proceedings	4,201
Nuisances abated after Proceedings had been taken	14
Complaints made at Office, and attended to by Inspectors	654
Orders of Magistrates to abate Nuisances	14
INSPECTIONS :—	
Slaughter Houses	1,306
Bakehouses	97
Common Lodging Houses	855
Cowsheds and Milkshops	710
Fish, Fruit, and Butchers' Shops	3,330
Tripe Shops	139
Dwelling Houses	26,629
Workshops and Marine Stores	170
Other Inspections.....	3,014
Total Inspections.....	36,250

TABLE XVII.

Showing the Number of ARTICLES Destroyed ; also BEDDING, CLOTHING, and HOUSES Disinfected.

Article.	Disinfected.	Burned.	Houses.	No.
Feather Beds	131	16	Houses Fumigated and Disinfected.....	1,477
Mattresses	88	22		
Blankets	301	2		
Pillows	392	15		
Quilts.....	251	3		
Bolsters	140	3		
Shawls	42	...		
Carpets	5	...		
Sheets	85	1		
Sundries	395	3		
Totals	1,830	65	Total	1,477

TABLE XVIII.

Figures showing work performed by the
CLEANSING DEPARTMENT.

Number of Applications to Cleanse Ashpits	4,716
Total Number of Ashpits Cleansed ..	148,884
Number of Loads removed from Ashpits and Ashclosets during 1894	57,198
From Tub-Closets and Scuttles	15,115
Street Sweepings Removed..	23,653
<hr/>	
Total Loads.....	95,966
<hr/>	
Number of Barrels and Tanks of Water Used for Street Watering.....	7,171
Number of Loads of Refuse sent to sea	33,801

TABLE XIX.

Meteorological Observations from January to March, 1894.

JANUARY.						FEBRUARY.						MARCH.					
Date.	Barometer.	Thermo-meter.		Direction of Wind.	Rainfall.	Date.	Barometer.	Thermo-meter.		Direction of Wind.	Rainfall.	Date.	Barometer.	Thermo-meter.		Direction of Wind.	Rainfall.
		Highest	Lowest					Highest	Lowest					Highest	Lowest		
1	30·212	40·0	33·0	NNW	·13	1	29·572	51·0	30·0	SW	·04	1	29·409	48·0	34·0	SSW	0·5
2	30·250	47·0	33·0	NE	·06	2	29·556	55·0	34·0	SW	·01	2	29·409	48·0	36·0	SW	·00
3	30·649	37·0	31·0	ESE	·02	3	29·685	53·0	40·0	WSW	·00	3	29·948	48·0	38·0	SSW	·00
4	30·444	37·0	24·0	ENE	·05	4	30·073	51·0	37·0	WSW	·01	4	29·665	50·0	33·0	SW	·00
5	29·941	37·0	27·0	ENE	·18	5	30·232	48·0	35·0	WSW	·00	5	30·043	48·0	34·0	W	·00
6	29·620	28·0	7·0	SSW	·00	6	29·725	54·0	32·0	SSW	·00	6	29·185	50·0	34·0	WNW	·00
7	29·672	28·0	11·0	SSW	·00	7	29·370	55·0	38·0	SW	·08	7	29·728	48·0	34·0	NW	·01
8	29·969	35·0	15·0	SW	·19	8	29·824	48·0	36·0	W	·00	8	29·312	48·0	40·0	W	·00
9	29·685	39·0	30·0	SSE	·08	9	29·499	45·0	35·0	WSW	·05	9	29·218	53·0	38·0	WSW	·01
10	29·560	42·0	33·0	S	·03	10	29·275	45·0	37·0	WSW	·16	10	29·313	49·0	36·0	W	·00
11	29·549	52·0	35·0	S	·01	11	29·119	41·0	36·0	NW	·30	11	29·066	50·0	37·0	SW	·03
12	29·649	49·0	35·0	SSW	·02	12	29·016	41·0	35·0	WNW	·00	12	29·236	48·0	35·0	SW	·52
13	29·771	50·0	39·0	S	·00	13	29·813	41·0	30·0	WNW	·01	13	28·777	42·0	31·0	NW	·03
14	29·720	48·0	38·0	SSW	·24	14	30·053	37·0	26·0	W	·00	14	29·266	42·0	34·0	W	·00
15	29·823	47·0	34·0	SW	·10	15	30·051	39·0	26·0	SSW	·17	15	29·414	42·0	33·0	WNW	·00
16	29·552	50·0	39·0	SW	·02	16	29·925	41·0	34·0	SSE	·84	16	29·724	42·0	31·0	WNW	·00
17	29·300	49·0	44·0	SW	·09	17	30·057	40·0	35·0	SE	·40	17	30·148	48·0	29·0	W	·00
18	29·228	46·0	39·0	WSW	·00	18	30·396	38·0	32·0	S	·00	18	30·105	53·0	34·0	W	·07
19	29·647	47·0	37·0	S	·01	19	30·444	32·0	24·0	SSW	·00	19	30·054	58·0	38·0	NW	·00
20	29·076	44·0	30·0	SW	·00	20	30·373	41·0	26·0	SW	·00	20	30·237	50·0	43·0	NW	·00
21	29·557	46·0	34·0	SSW	·02	21	30·213	42·0	28·0	SW	·00	21	30·199	58·0	40·0	SW	·00
22	29·312	42·0	33·0	SW	·00	22	30·242	45·0	30·0	WNW	·00	22	30·301	58·0	36·0	SW	·00
23	29·744	38·0	29·0	WNW	·00	23	29·750	46·0	30·0	SW	·08	23	30·441	56·0	36·0	SW	·00
24	29·777	48·0	24·0	SW	·00	24	29·369	50·0	35·0	WSW	·01	24	30·451	52·0	34·0	NW	·00
25	29·560	46·0	32·0	SW	·04	25	29·276	48·0	36·0	WSW	·24	25	30·204	51·0	33·0	NW	·00
26	29·366	50·0	32·0	W	·00	26	29·338	52·0	37·0	WSW	·00	26	30·055	52·0	36·0	NW	·00
27	29·161	42·0	35·0	WSW	·10	27	29·509	48·0	33·0	SW	·00	27	30·055	51·0	35·0	NNW	·00
28	29·116	40·0	32·0	WSW	·14	28	29·777	46·0	34·0	SW	0·0	28	30·133	48·0	33·0	SE	·00
29	29·828	43·0	29·0	W	·10							29	30·119	64·0	44·0	SW	·00
30	29·253	41·0	30·0	SW	·22							30	29·894	55·0	44·0	SSW	·00
31	29·194	38·0	29·0	WSW	·00							31	29·688	57·0	35·0	SE	·00
Mean Height of Barometer in Month, 29·651. Adopted Mean Temperature, 36·7. Rainfall, 1·85 in.						Mean Height of Barometer in Month, 29·696. Adopted Mean Temperature, 39·9. Rainfall, 2·40 in.						Mean Height of Barometer in Month, 29·767. Adopted Mean Temperature, 42·2. Rainfall, 0·72 in.					

xliv.						TABLE XIX.—CONTINUED.						Meteorological Observations from April to June, 1894.					
APRIL.						MAY.						JUNE.					
Date.	Barometer.	Thermo- meter.		Direction of Wind.	Rainfall.	Date.	Barometer.	Thermo- meter.		Direction of Wind.	Rainfall.	Date.	Barometer.	Thermo- meter.		Direction of Wind.	Rainfall.
		Highest	Lowest					Highest	Lowest					Highest	Lowest		
1	29·904	58·0	36·0	SE	·00	1	30·321	53·0	42·0	NNW	·01	1	29·749	56·0	39·0	SE	·10
2	29·906	53·0	35·0	SE	·03	2	30·013	53·0	43·0	W	·40	2	29·649	51·0	46·0	ESE	1·00
3	29·822	45·0	40·0	W	·00	3	29·650	56·0	42·0	W	·00	3	29·958	50·0	46·0	SE	·01
4	29·998	46·0	40·0	WSW	·00	4	29·650	51·0	35·0	NW	·00	4	29·888	49·0	47·0	SE	·75
5	30·275	48·0	39·0	SE	·00	5	29·737	54·0	35·0	WNW	·05	5	29·684	50·0	45·0	ENE	·46
6	30·175	46·0	41·0	E	·00	6	29·549	59·0	40·0	NW	·02	6	29·774	53·0	42·0	NNE	·00
7	30·100	46·0	38·0	SSE	·00	7	29·574	53·0	42·0	WNW	·05	7	29·750	57·0	40·0	NNE	·01
8	30·000	49·0	38·0	SE	·00	8	29·749	59·0	43·0	S	·04	8	29·900	53·0	45·0	W	·16
9	29·798	56·0	37·0	SE	·00	9	29·615	53·0	47·0	SSW	·16	9	29·825	55·0	46·0	N	·10
10	29·900	67·0	40·0	ESE	·00	10	29·507	56·0	38·0	SSW	·00	10	29·729	55·0	49·0	SE	·30
11	29·912	58·0	44·0	SE	·00	11	29·643	60·0	42·0	SW	·07	11	29·513	55·0	47·0	NW	·02
12	29·777	49·0	44·0	SE	·03	12	29·936	54·0	43·0	NW	·00	12	29·795	56·0	48·0	NNW	·29
13	29·799	47·0	42·0	ESE	·00	13	30·087	52·0	40·0	NE	·09	13	29·899	54·0	47·0	N	·16
14	29·677	50·0	40·0	SE	·01	14	29·849	50·0	44·0	SE	·04	14	30·020	63·0	42·0	NNW	·00
15	29·599	53·0	42·0	SE	·00	15	29·939	50·0	46·0	SE	·25	15	29·893	70·0	51·0	WSW	·00
16	29·449	52·0	43·0	ESE	·03	16	30·032	48·0	44·0	NNE	·18	16	30·079	63·0	47·0	SSE	·00
17	29·303	58·0	43·0	SSW	·04	17	30·267	49·0	44·0	NNE	·00	17	29·697	68·0	48·0	SSW	·00
18	29·675	50·0	40·0	NW	·03	18	30·296	50·0	44·0	NE	·00	18	29·663	63·0	45·0	WSW	·15
19	30·051	49·0	40·0	NNE	·00	19	30·325	48·0	40·0	NE	·07	19	29·916	64·0	45·0	WSW	·21
20	30·101	52·0	32·0	SSE	·00	20	29·904	46·0	36·0	NNW	·00	20	29·799	60·0	50·0	SW	·00
21	30·027	54·0	35·0	SSW	·00	21	29·940	48·0	32·0	N	·00	21	30·063	66·0	43·0	SW	·02
22	29·904	53·0	35·0	E	·06	22	30·054	49·0	34·0	NE	·00	22	29·925	67·0	48·0	SSW	·00
23	29·666	50·0	35·0	ESE	·04	23	30·324	50·0	35·0	NE	·00	23	29·925	65·0	48·0	SW	·00
24	29·575	54·0	42·0	SE	·06	24	30·484	56·0	38·0	NE	·00	24	29·735	67·0	49·0	WSW	·00
25	29·550	58·0	41·0	SSE	·12	25	30·081	58·0	34·0	NW	·26	25	29·995	63·0	50·0	S	·00
26	29·528	54·0	40·0	SSE	·04	26	29·768	50·0	40·0	NNW	·09	26	30·230	64·0	50·0	E	·00
27	29·528	53·0	36·0	NE	·00	27	29·754	50·0	38·0	NNE	·16	27	30·307	61·0	53·0	NE	·00
28	29·894	54·0	40·0	NNE	·00	28	29·454	50·0	39·0	NNE	·40	28	30·309	61·0	51·0	NE	·00
29	29·943	52·0	40·0	NE	·05	29	29·494	51·0	42·0	ENE	·04	29	30·450	61·0	53·0	NE	·00
30	30·118	51·0	42·0	N	·00	30	29·557	54·0	39·0	NNE	·12	30	30·425	65·0	44·0	SE	·00
						31	29·590	56·0	38·0	NW	·03						
Mean Height of Barometer in Month, 29·855. Adopted Mean Temperature, 45·7. Rainfall, 0·54 in.						Mean Height of Barometer in Month, 29·875. Adopted Mean Temperature, 46·1 Rainfall, 2·53 in.						Mean Height of Barometer in Month, 29·918. Adopted Mean Temperature, 53·0. Rainfall, 3·84 in.					

TABLE XIX.—CONTINUED.

Meteorological Observations from July to September, 1894.

JULY.						AUGUST.						SEPTEMBER.					
Date.	Barometer.	Thermo-meter.		Direction of Wind.	Rainfall.	Date.	Barometer.	Thermo-meter.		Direction of Wind.	Rainfall.	Date.	Barometer.	Thermo-meter.		Direction of Wind.	Rainfall.
		Highest	Lowest					Highest	Lowest					Highest	Lowest		
1	30·266	66·0	50·0	E	·00	1	29·690	66·0	56·0	SSW	·08	1	30·023	57·0	51·0	NE	·24
2	30·065	65·0	52·0	SE	·09	2	29·950	65·0	56·0	SW	·30	2	30·123	60·0	43·0	NE	·04
3	29·937	68·0	55·0	W	·00	3	29·400	63·0	50·0	WNW	·00	3	30·043	56·0	41·0	NW	·00
4	30·050	69·0	55·0	WNW	·00	4	29·575	66·0	53·0	W	·00	4	30·100	55·0	45·0	NNW	·04
5	30·017	72·0	54·0	SW	·00	5	29·637	66·0	56·0	SW	·03	5	30·050	57·0	46·0	N	·24
6	29·959	67·0	57·0	SSE	·00	6	29·700	57·0	52·0	S	·00	6	30·057	56·0	48·0	N	·01
7	29·795	70·0	56·0	SW	·11	7	29·750	63·0	49·0	SW	·03	7	29·915	64·0	45·0	NW	·01
8	29·837	66·0	58·0	SW	·06	8	29·511	70·0	55·0	SW	·00	8	29·850	55·0	42·0	NW	·01
9	29·708	63·0	54·0	NE	·00	9	29·509	66·0	54·0	WNW	·75	9	30·258	58·0	43·0	NNE	·00
10	29·465	63·0	53·0	SE	·45	10	29·816	60·0	52·0	N	·16	10	30·347	64·0	42·0	NW	·00
11	29·238	64·0	50·0	NW	·18	11	29·934	64·0	54·0	WSW	·16	11	30·200	66·0	54·0	WNW	·00
12	29·158	70·0	52·0	WNW	·00	12	29·854	62·0	50·0	W	·01	12	30·335	59·0	52·0	N	·00
13	29·400	69·0	52·0	SW	·00	13	29·775	65·0	50·0	WNW	·05	13	30·357	58·0	42·0	NW	·00
14	29·509	68·0	50·0	SW	·31	14	29·451	66·0	51·0	SW	·25	14	30·309	63·0	43·0	NW	·00
15	29·681	67·0	49·0	S	·04	15	29·200	62·0	52·0	WSW	·05	15	30·409	61·0	54·0	NNE	·00
16	29·734	66·0	47·0	SSW	·17	16	29·617	62·0	51·0	NW	·01	16	30·346	60·0	49·0	SW	·00
17	29·550	64·0	54·0	WSW	·01	17	29·892	61·0	44·0	WSW	·35	17	30·331	57·0	43·0	ENE	·00
18	29·399	60·0	51·0	NW	·00	18	29·973	63·0	50·0	NW	·08	18	30·249	55·0	46·0	ENE	·00
19	29·577	61·0	51·0	NNW	·12	19	29·775	62·0	50·0	WNW	·09	19	30·133	56·0	51·0	ENE	·03
20	29·725	67·0	52·0	NW	·20	20	29·575	62·0	48·0	WNW	·00	20	30·001	55·0	51·0	NE	·04
21	29·634	64·0	50·0	WSW	·29	21	29·725	57·0	52·0	WNW	·09	21	29·986	55·0	49·0	NNW	·00
22	29·853	62·0	53·0	WNW	·06	22	29·725	59·0	48·0	NNW	·00	22	29·903	56·0	51·0	WNW	·00
23	29·787	61·0	51·0	NNE	·18	23	29·859	62·0	44·0	NE	·02	23	29·862	58·0	50·0	E	·00
24	30·069	63·0	54·0	NNE	·00	24	30·047	59·0	50·0	N	·00	24	29·833	57·0	50·0	NNE	·00
25	29·957	61·0	56·0	ENE	·02	25	30·181	59·0	45·0	NE	·21	25	29·816	59·0	51·0	ENE	·02
26	29·925	62·0	55·0	SW	·03	26	30·071	55·0	51·0	ESE	·23	26	29·778	55·0	46·0	N	·00
27	29·917	63·0	55·0	W	·00	27	29·949	59·0	49·0	ENE	·03	27	30·077	55·0	41·0	NNW	·01
28	30·061	60·0	54·0	SE	·00	28	30·109	65·0	44·0	W	·00	28	30·265	55·0	41·0	NNW	·10
29	30·140	63·0	56·0	E	·00	29	30·111	60·0	53·0	WNW	·00	29	30·319	56·0	44·0	NE	·03
30	29·991	64·0	55·0	NW	·00	30	30·093	65·0	51·0	WNW	·00	30	30·430	54·0	46·0	N	·04
31	29·916	62·0	54·0	N	·01	31	30·001	61·0	54·0	W	·01						
Mean Height of Barometer in Month, 29·784. Adopted Mean Temperature, 59·8. Rainfall, 2·33 in.						Mean Height of Barometer in Month, 29·788. Adopted Mean Temperature, 56·5. Rainfall, 2·99 in.						Mean Height of Barometer in Month, 30·090. Adopted Mean Temperature, 52·0. Rainfall, 0·86 in.					

Meteorological Observations from October to December, 1894.

OCTOBER.						NOVEMBER.						DECEMBER.					
Date.	Barometer.	Thermo- meter.		Direction of Wind.	Rainfall.	Date.	Barometer.	Thermo- meter.		Direction of Wind.	Rainfall.	Date.	Barometer.	Thermo- meter.		Direction of Wind.	Rainfall.
		Highest	Lowest					Highest	Lowest					Highest	Lowest		
1	30·459	59·0	42·0	S	·00	1	29·700	59·0	42·0	S	·05	1	30·388	46·0	33·0	W	·00
2	30·475	61·0	44·0	SW	·00	2	29·494	61·0	53·0	SW	·00	2	30·329	40·0	30·0	WSW	·00
3	30·292	57·0	39·0	SW	·00	3	29·400	60·0	52·0	SSW	·00	3	30·090	45·0	29·0	SW	·00
4	30·201	53·0	41·0	NNE	·00	4	29·645	58·0	43·0	WSW	·00	4	29·763	46·0	40·0	E	·00
5	30·115	55·0	49·0	ENE	·02	5	29·522	54·0	45·0	WSW	·00	5	29·823	42·0	34·0	WSW	·09
6	30·035	55·0	48·0	ENE	·08	6	29·902	53·0	46·0	W	·06	6	29·829	41·0	34·0	W	·00
7	30·000	55·0	50·0	ESE	·02	7	29·559	55·0	43·0	SSW	·00	7	29·696	43·0	36·0	S	·02
8	29·991	56·0	51·0	E	·01	8	29·286	50·0	43·0	W	·00	8	29·823	44·0	37·0	NW	·00
9	30·100	58·0	41·0	SSE	·25	9	29·440	52·0	44·0	SW	·00	9	29·907	45·0	31·0	SSE	·05
10	29·075	58·0	49·0	SW	·00	10	29·286	54·0	41·0	WSW	·00	10	29·802	48·0	39·0	SSE	·01
11	30·158	57·0	45·0	WSW	·00	11	29·203	50·0	37·0	SW	·08	11	29·903	49·0	45·0	SW	·00
12	30·197	63·0	49·0	SW	·00	12	29·021	46·0	38·0	SW	·18	12	29·793	51·0	45·0	WSW	·00
13	30·061	63·0	52·0	W	·15	13	29·428	49·0	38·0	WNW	·10	13	29·716	56·0	45·0	SW	·00
14	30·039	49·0	42·0	N	·21	14	28·831	48·0	40·0	SW	·00	14	29·909	50·0	46·0	WSW	·34
15	30·096	50·0	40·0	NNE	·32	15	29·088	47·0	37·0	SW	·00	15	29·675	43·0	39·0	WNW	·18
16	30·175	51·0	42·0	NNE	·16	16	29·582	48·0	37·0	SSW	·00	16	29·808	41·0	37·0	WNW	·09
17	30·024	47·0	41·0	N	·11	17	29·876	51·0	36·0	SW	·00	17	29·808	48·0	31·0	SW	·11
18	29·775	48·0	41·0	NW	·63	18	29·978	48·0	40·0	WSW	·00	18	29·081	45·0	36·0	W	·00
19	29·704	50·0	33·0	N	·13	19	30·054	51·0	41·0	SW	·02	19	29·188	44·0	36·0	WNW	·00
20	29·552	50·0	39·0	SE	·42	20	29·805	56·0	42·0	SSW	·00	20	29·949	47·0	38·0	NW	·05
21	29·507	42·0	41·0	NE	·02	21	30·218	48·0	38·0	W	·00	21	29·805	50·0	32·0	W	·20
22	29·778	41·0	32·0	WNW	·00	22	30·250	49·0	42·0	SW	·00	22	29·449	47·0	42·0	WSW	·02
23	29·957	53·0	29·0	WNW	·64	23	30·184	50·0	45·0	SW	·00	23	29·937	48·0	36·0	WSW	·00
24	29·221	54·0	32·0	SE	·10	24	30·450	49·0	44·0	NNE	·01	24	29·967	47·0	39·0	SW	·00
25	28·679	53·0	47·0	SW	·09	25	30·391	49·0	43·0	SE	·00	25	30·263	50·0	39·0	W	·00
26	29·387	43·0	41·0	NNE	·70	26	30·388	46·0	41·0	SE	·00	26	30·297	50·0	43·0	WNW	·00
27	29·180	48·0	42·0	NE	·02	27	30·388	48·0	40·0	ENE	·00	27	30·475	44·0	35·0	NW	·00
28	29·554	48·0	43·0	SE	·14	28	30·354	50·0	37·0	NW	·00	28	30·038	49·0	34·0	W	·06
29	29·311	50·0	44·0	SW	·00	29	30·070	53·0	44·0	W	·00	29	28·871	39·0	34·0	WNW	·00
30	29·507	49·0	40·0	WNW	·00	30	30·420	45·0	38·0	NW	·00	30	29·195	39·0	30·0	NNW	·09
31	29·950	58·0	36·0	SSW	·00							31	29·615	35·0	28·0	NNW	·06
Mean Height of Barometer in Month, 29·825. Adopted Mean Temperature, 47·2. Rainfall, 4·22 in.						Mean Height of Barometer in Month, 29·773. Adopted Mean Temperature, 48·1. Rainfall, 0·50 in.						Mean Height of Barometer in Month, 29·812. Adopted Mean Temperature, 41·0. Rainfall, 1·37 in.					

(A) TABLE OF DEATHS DURING THE YEAR 1894, IN THE URBAN SANITARY DISTRICT OF SUNDERLAND,
CLASSIFIED ACCORDING TO DISEASES, AGES, AND LOCALITIES.

MORTALITY FROM ALL CAUSES AT SUBJOINED AGES.										MORTALITY FROM SUBJOINED CAUSES, DISTINGUISHING DEATHS OF CHILDREN UNDER FIVE YEARS OF AGE.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
NAMES OF LOCALITIES adopted for the pur- pose of these Statis- tics, public institu- tions being shown as separate localities.								(i)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	At all Ages.	Under 1 Year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.		(b)	(c)	(d)	(e)	(f)	(g)	(h)	Smallpox.	Scarlatina.	Diphtheria.	Membranous Croup.	Typhus Fever.	Enteric or Typhoid Fever.	Continued Fever.	Relapsing Fever.	Puerperal Fever.	Cholera.	Erysipelas.	Measles.	Whooping Cough.	Diarrhea and Dysentery.	Rheumatic Fever.	Ague.	Phtthisis.	Bronchitis, Pneu- monia, & Pleurisy.	Heart Disease.	Injuries.	All other Diseases.	TOTALS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
(a)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	</

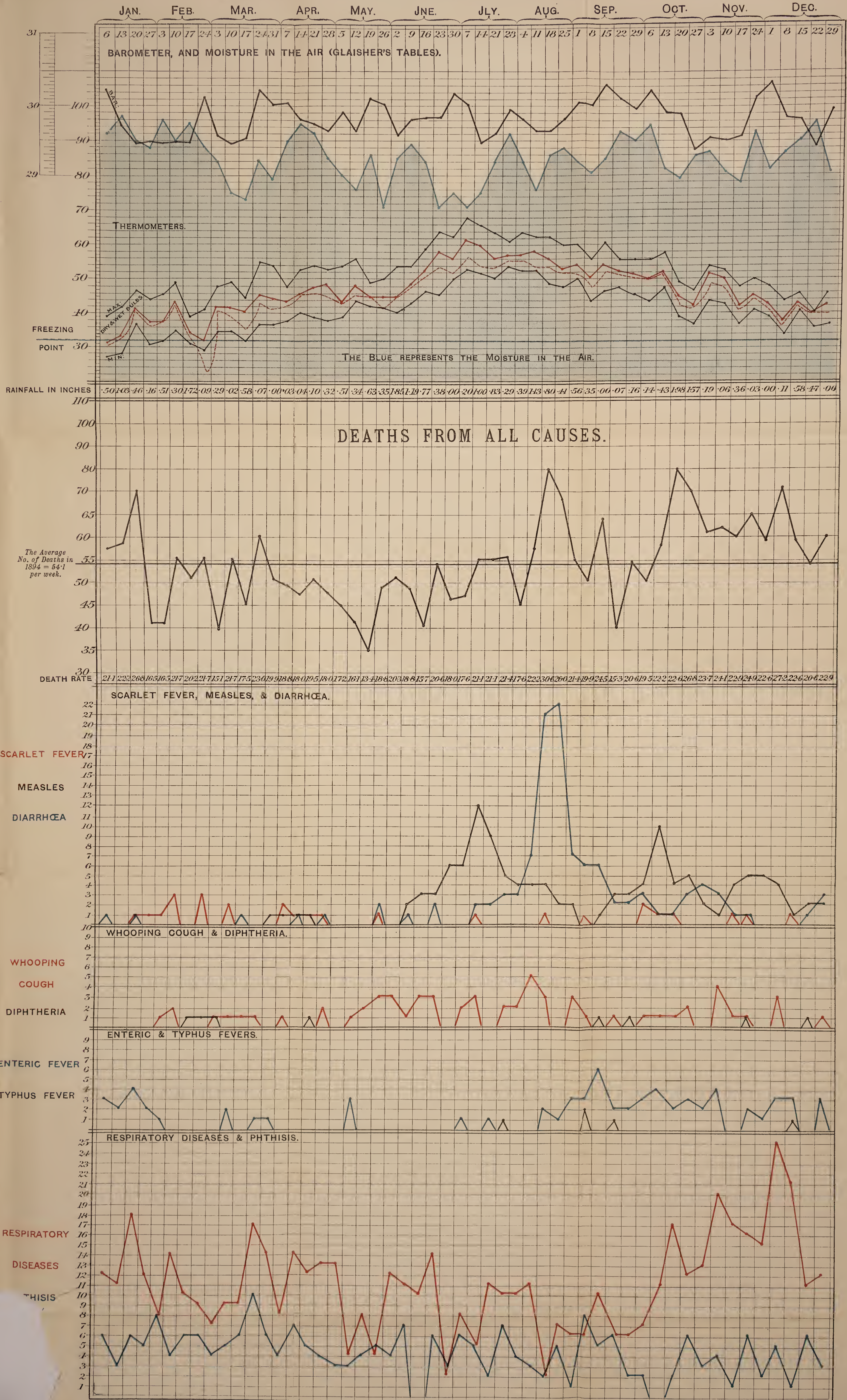
N.B.—The Deaths in the Public Institutions have been distributed to the districts to which they belonged.

(B) TABLE OF POPULATION, BIRTHS, AND OF NEW CASES OF INFECTIOUS SICKNESS, COMING TO THE KNOWLEDGE OF THE MEDICAL OFFICER OF HEALTH, DURING THE YEAR 1894, IN THE URBAN SANITARY DISTRICT OF SUNDERLAND, CLASSIFIED ACCORDING TO DISEASES, AGES, AND LOCALITIES.

NAMES OF LOCALITIES adopted for the pur- pose of these Statis- tics.	POPULATION AT ALL AGES.		Registered Births.	Aged under 5 or over 5.	NEW CASES OF SICKNESS in each Locality, coming to the knowledge of the Medical Officer of Health.										NUMBER OF SUCH CASES REMOVED FROM THEIR HOMES in the several Localities for Treatment in Isolation Hospitals.*													
	Census 1891.	Estimated to middle of 1894.			(d)	(e)	Smallpox.	Scarlatina.	Diphtheria.	Membranous Croup.	Typhus Fever.	Enteric or Typhoid Fever.	Continued Fever.	Relapsing Fever.	Puerperal Fever.	Cholera.	Erysipelas.	Smallpox.	Scarlatina.	Diphtheria.	Membranous Croup.	Typhus Fever.	Enteric or Typhoid Fever.	Continued Fever.	Relapsing Fever.	Puerperal Fever.	Cholera.	Erysipelas.
Sunderland	14,558	14,283	533	Under 5 5upwds	..	8	..	..	..	6	..	..	..	..	..	..	3	..	..	..	..	1	..	..	..	..	..	..
Bishopwearmouth North.....	44,019	42,797	1,623	Under 5 5upwds	1	60	1	..	..	8	4	..	..	..	..	..	1	3	..	..	..	2	1	..	..	..	..	..
Bishopwearmouth South.....	46,367	48,922	1,484	Under 5 5upwds	3	180	5	..	5	204	40	..	..	..	..	..	3	48	..	..	2	97	18	..	..	..	..	..
Monkwearmouth	29,071	30,099	1,124	Under 5 5upwds	..	42	5	..	1	16	8	..	..	..	..	..	..	15	..	..	2	..	1	..	..	..	..	..
Totals	131,015	136,101	4,760	Under 5 5upwds	2	220	9	..	1	39	12	..	..	..	..	..	2	51	..	..	3	4	2	..	..	..	..	..

* "Notification of Infectious Disease" has been compulsory in the Borough since September, 1885.
* Borough Fever Hospital, Hylton Road, and Workhouse Fever Hospital, Chester Road, both in Bishopwearmouth North Registration District.

METEOROLOGICAL AND DISEASE CHART FOR 1894.





INFECTIOUS DISEASES

IN

SUNDERLAND

IN

1894

<i>Sunderland Sub District</i>	<i>Estimated Population</i>
<i>Bishopwearmouth, North</i>	<i>14,283</i>
<i>do. South</i>	<i>42,797</i>
<i>Monkwearmouth</i>	<i>48,922</i>
<i>Whole Borough</i>	<i>30,099</i>
	<i>136,101</i>

SCARLET FEVER CASES & DEATHS
 TYPHUS
 ENTERIC
 CONTINUED FEVER
 DIARRHŒA
 SMALLPOX

SCARLET
 YELLOW
 BROWN
 BLUE
 GREEN
 BLACK



M. Wood
 M.O.H.

